



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

Mr. Walter F. Bailey, Director
Department of Wastewater Treatment
District of Columbia Water and Sewer Authority
5000 Overlook Avenue, S.W.
Washington, D.C. 20032

JAN 05 2011

Re: Pretreatment Program
NPDES No. DC0021199

Dear Mr. Bailey:

On July 16, August 11, and August 12, 2010 EPA conducted a field audit inspection at your facility. The main purpose of the inspection was to assess the procedures and techniques used by the Authority when samples are collected as part of the pretreatment program. A copy of the inspection report is enclosed for your use. The inspection report indicates that the Authority sampling program is in compliance with EPA requirements. The second page of the summary at the end of the report includes a few minor recommendations that the Authority should consider, but there are no significant issues that must be addressed.

If you have any questions regarding this matter, please contact me at 215-814-5790.

Sincerely,

A handwritten signature in black ink, appearing to read "John Lovell", is written over the typed name.

John Lovell
Pretreatment Coordinator
NPDES Permits and Enforcement (3WP41)
Water Protection Division

Enclosure

cc: Nicholine Shulterbrandt, DDOE (w/enclosures)



Inspection Report Submittal

RECEIVED
EPA REGION III
DEC 28 2010
NPDES PERMIT BRANCH
(GW41)

Facility Name: **DC Water and Sewer Authority (Blue Plains AWTP)**

Site Address(s): **5000 Overlook Avenue, SW**

Inspection Type: **NPDES Pretreatment Field Audit Inspection**

Inspector/Writer: **Charles Hufnagel 410-305-2775**

Inspection Report Date (Final): **DEC 22 2010**

Signature: 

PRETREATMENT PROGRAM FIELD AUDIT CHECKLIST

RECEIVED
FACILITY
JUL 28 2010

Audit Date	POTW Name
July 16, August 11 & 12, 2010	District of Columbia - Water and Sewer Authority (DC Water) Blue Plains Advanced Wastewater Treatment Plant

Contact Name	Title	Telephone
Elaine Wilson	Pretreatment Supervisor	(202) 787-4177
Address	District of Columbia-Water and Sewer Authority(DC Water) Department of Wastewater Treatment 5000 Overlook Avenue, SW Washington, DC 20032	
		Yes No
Should this be the person on the mailing list?		X
If no, complete the following for the person to be on the mailing list:		
Name	Title	Telephone
Address		

Participants				
	Name	Title	Organization	Telephone
1	Elaine Wilson	Pretreatment Supervisor	DC Water-Dept of Wastewater Treatment	(202) 787-4177
2	Rudy Rimando	Chemical Engineering Tech	"	(202) 787-4003
3	Clyde Lockley	Operations Chief	WMATA	202-962-5625
4	Karl Liebenberg	Environmental Engr	"	"
5	Mike Clark	Shop Supervisor	"	"
6	Mike McFadden	Garage "	"	"
7	Marcus Howard	" Foreman	"	"
8	Charles Hufnagel	Environmental Engr	EPA-OECEJ-FIP	410-305-2775

A. Background - Complete prior to on site activity				
1	As required by the approved program, list the frequency for:		CIU	SNIU
	POTW sampling of IUs		1/year	1/year
	POTW inspection of IUs		1/year	1/year
	IU self-monitoring <i>Some IUs may have daily pH & flow with monthly reporting.*</i>		2/year	2/year
	IU reporting		2/year	2/year
2	In the last year ¹ , indicate frequency of:		CIU	SNIU
	POTW sampling of IUs		1/year	1/year
	POTW inspection of IUs		1/year	1/year
	If less than required by the approved program or less than 1/yr (403.8(f)(2)(v)), explain		N/A	
3	List all SIUs that were found to have been not sampled or not inspected at the last PCI or annual report			
Name of IU			NS/NI/B ²	Reason
N/A				
4	Does the annual report indicate any new CIUs? <i>WSSC added 1 new SNIU. Loudon County added 1 new CIU. METRO additions</i>		Yes	No
			X	

* WSSC may sample more frequently on a case by case basis. Also do 4 day sampling which they also require the IUs to do. Fairfax County generally does all sampling including self-monitoring.

Other Jurisdictions in DC Water's Pretreatment Program include:

WSSC (Washington Suburban Sanitary Commission) (MD)

Fairfax County (VA) - Through an agreement, Fairfax's jurisdiction also includes parts of Herndon and Arlington.

Loudon Water (VA)

Town of Vienna (VA) - Has no SIUs

¹calendar year 2009

²NS = not sampled, NI = not inspected, B = both not inspected and not sampled

B. POTW Sampling and Inspection				
1	List the SIUs that were either not sampled or not inspected in the last 12 months (403.8(f)(2)(v)):			
	Name of IU	NS/NI/B	Date planned/completed	
	N/A			
2	Are pH, oil & grease, cyanide, volatile organics, total phenol, and sulfide collected by grab sample? <i>Sulfide N/A</i>	Yes x	No	NA
	If so, how many grab samples are used?	Normally one but can vary (e.g. 4 O&G & TPH)		
3	Are composite samples used for all other pollutants to evaluate compliance with: <i>Occasionally grab samples when practical.</i>	Yes	No	NA
	Categorical standards?	x		
	Local limits?	x		
	Is any unannounced sampling conducted? <i>Only if suspect problems.</i>		Varies but normally 24 hour notice	e.g. More notice to BEP due to security
4	Is POTW prepared to take samples on short notice (i.e., vehicles, personnel, preservatives, etc. available)?	x		
5	How much time normally elapses between sample collection and obtaining analytical results?		2 - 3 weeks (contract lab)	
6	Does POTW use QA/QC procedures such as:	Yes	No	NA
	Use of calibration and maintenance plan for sampling equipment? <i>Have SOP</i>	x		
	Training for sampler?	Health & Safety, lately		OJT, same crew for several yrs

Split samples (field)? <i>Used to split w/BEP but stopped when BEP began using same contract lab, Analytical Laboratories (PA).</i>		<i>When requested but normally not.</i>	
Training for analyst?	<i>Contract Lab</i>		
Duplicate samples (laboratory)? <i>metals</i>	<i>"</i>		
Method blanks (laboratory)?	<i>"</i>		
Spiked samples (laboratory)? <i>organics</i>	<i>"</i>		

C. IU Self-Monitoring and Reporting				
1	As currently conducted, list frequency for:	CIU	SNIU	
	IU self-monitoring	2/year*	2/year*	
	IU reporting	2/year*	2/year*	
	If less than required by the approved program, explain			
2	If IUs sample more frequently than required, do they report all sampling results to the POTW (403.12(g)(5))?	Yes	No	NA
		x		
3	List all new source IUs	none in last 12 months in DC; other jurisdictions?		
	Have the following been received by all IUs which became new sources in the last 12 months (403.12))? N/A	# received	# required	
	Baseline Monitoring Reports			
	Compliance Schedule Milestone Reports			
	90-day Final Compliance Reports			
	How does POTW verify the information in these reports?			
4	Do any IUs discharge hazardous waste?	Yes	No	
			x	
	If no, how does POTW verify this?	inspections/sampling, DDOE reports		
	If yes, has the IU submitted the proper notifications (403.12(p))?	Yes	No	NA
			x	

* Normally 2/year for most parameters but pH and flow may be required more frequently e.g. monthly. Also, if an IU has had a violation, DC Water may require a more frequent monitoring of the parameter in question until it is routinely back in compliance.

INDUSTRIAL USER FILE EVALUATION

IU Name	U.S. Bureau of Engraving and Printing		
Category	CIU - Metal Finishing SICs:323111,323122,325910,332813	PWF ³	018 - 50,000gpd 019 - 650 gpd
Reg. Params. ⁴	<p>018 (non-categorical=Local Limits): Cd.15 Cr2.77 Cu2.3 Pb1.0 Hg<.001 Ni2.2 Zn3.4 Ag3.3 Cn.56 O&G100 As.23 Mb2.4 (max daily limits, all units in mg/l); pH range 5-10; Flow-monitor</p> <p>019 (Categorical Limits): Cd.15/.26 Cr2.77/1.71 Cu2.3/2.07 Pb.69/.43 Ni2.2/2.38 Ag.43/.24 Zn2.61/1.48 Cn.56/.65 TTO 2.13 (all units in mg/l; max daily/avg monthly limits except TTO (max daily)); pH range 5-10; Flow-monitor</p> <p>Samples are 24 hr composites except pH, Cn, voc, O&G are grab</p>		
Address	14 th and C Streets, SW Washington, DC 20228		
Comments	018-Dalmar wwtp discharge (non-categorical) 019-Plating wwtp discharge (categorical)		
IU Name	Washington Metropolitan Area Transit Authoity (WMATA or more commonly referred to as 'Metro')		
Category	SNIU - (SICs: 4111, 4172)	PWF	Outfall 001 @ Shop area = 1100 gpd Outfall 002 @ Garage area = 17,030 gpd
Reg. Params.	001 & 002 each (non-categorical=Local Limits): Cd.15 Cr2.77 Cu2.3 Pb1.0 Hg<.001 Ni2.2 Zn3.4 Ag3.3 Cn.56 O&G100 As.23 Mb2.4 (max daily limits, all units in mg/l); pH range 5-10		
Address	2250 26 th Street, NE Washington, DC 20018		
Comments	DC Water conducted both their annual inspection and annual sampling visit at the Metro site. Ref. Narrative below for more details.		

³Process waste flow *Practical Quantitation Limit = 1 ug/l

⁴Regulated parameters including both categorical standards and local limits (DC Water planned on issuing new local limits by Fall 2010.)

INDUSTRIAL USER FILE EVALUATION (continuation)

IU Name	U.S. Capitol Power Plant		
Category	Significant Non-categorical	PWF	001 - < 11,500 gpd 002 - ~20,000 gpd
Reg. Params.	001 & 002 each (non-categorical=Local Limits): Cd.15 Cr2.77 Cu2.3 Pb1.0 Hg<.001 Ni2.2 Zn3.4 Ag3.3 Cn.56 O&G100 As.23 Mb2.4 (max daily limits, all units in mg/l); pH range 5-10`		
Address	25 New Jersey Ave. & E St. SE Washington, DC 20003		
Comments	001 - sample valve on boiler blowdown neutralization tank discharge line 002 - continuous drain line in basement of West Refrigeration Plant IU submits 001's monthly pH and Temp. reports to DC Water.		
IU Name			
Category		PWF	
Reg. Params.			
Address			
Comments			

NOTE: Complete all questions with a "Y" (yes), "N" (no), "N/A" (not applicable), "U" (unable to determine), or the appropriate number.

FILE REVIEW CHECKLIST	IU1	IU2	IU3	IU4
A. Industrial User Characterization	BEP	Metro	USCapPP	
1. Is the IU categorical (CIU), significant non-categorical (SNIU) or other (O)?	CIU	SNIU	SNIU	
2. Is the IU properly categorized?	Y	Y	Y	
B. Control Mechanism				
1. Does the file contain:				
• an updated control mechanism application and/or survey questionnaire?	Y	Y	Y	
• a current control mechanism?	Y	Y	Y	
• documentation of how control mechanism limits and requirements were established?	N	N	N	
2. Were local limits and/or categorical standards properly applied? 2.38 mg/l	Y	Y	Y	
3. If applicable, were production-based standards correctly applied?	N/A	N/A	N/A	
4. If applicable, was the combined wastestream formula correctly applied?	N/A	N/A	N/A	
5. If applicable, were TTO requirements or alternatives correctly applied?	Y	N/A	N/A	
6. In the inspector's opinion, is the sample frequency sufficient to determine compliance?	Y	Y	Y	
7. Does the control mechanism include:				
• sampling location and frequency?	Y	Y	Y	
• sample type?	Y	Y	Y	
8. Is the permit effective for 5 years or less?	Y	Y	Y	
C. POTW Inspections of IUs				
1. How many POTW inspections were conducted and documented in the last 12 months?	1	1	1	

FILE REVIEW CHECKLIST	IU1	IU2	IU3	IU4
2. Does the inspection report include:				
• inspector name?	Y	Y	Y	
• inspection date/time?	Y/Y	Y/Y	Y/Y	
• name of IU official contacted?	Y	Y	Y	
• review of manufacturing facilities?	Y	Y	Y	
• verification of production data if needed?	N/A	N/A	N/A	
• identification of wastewater sources, flow and types ⁵ of discharge?	Y	Y	Y	
• condition of pretreatment facilities?	Y	Y	Y	
• evaluation of chemical storage areas?	Y	Y	Y	
• evaluation of need for spill/slug control plan at least every 2 years?	Y	Y	Y	
• evaluation of spill/slug control procedures?	Y	Y	Y	
• evaluation of housekeeping practices?	Y	Y	Y	
• evaluation of potential for hazardous waste discharge?	Y	Y	Y	
• evaluation of self-monitoring equipment and techniques?	Y	Y	Y	
• evaluation of lab procedures? <i>CONTRACT LAB</i>	N/A	N/A	N/A	
• evaluation of monitoring records?	Y	Y	Y	
D. POTW Sampling of IUs				
1. How many sampling visits were conducted and documented in the last 12 months?	1	1	1	
2. Does the sampling documentation include:				
• name of sampling personnel?	Y	Y	Y	
• sample date/time?	Y/Y	Y/Y	Y/Y	
• sample type?	Y	Y	Y	
• sample location?	Y	Y	Y	
• wastewater flow during sampling?	N	N	N	
• sample preservation?	Y	Y	Y	

⁵continuous, intermittent, batch, etc.

FILE REVIEW CHECKLIST	IU1	IU2	IU3	IU4
• chain of custody?	Y	Y	Y	
• analytical methods used?	Y	Y	Y	
• analysis date?	Y	Y	Y	
• name of analyst?	Y	Y	Y	
• all analytical data?	Y	Y	Y	
3. Were all regulated parameters monitored?	Y	Y	Y	
4. Were 40 CFR 136 analytical methods used?	Y	Y	Y	
E. IU Self-Monitoring and Reporting				
1. Has the IU submitted all required self-monitoring reports in the last 12 months?	Y	Y	Y	
2. Were all regulated parameters monitored at the required frequency?	Y	Y	Y	
F. Slug/Spill Control				
1. Have any slugs/spills been documented in the file?	N/A	N/A	N/A	
2. Did the POTW require development of a slug/spill control plan?	Y	Y	Y	
3. Has the IU developed a slug/spill control plan?	Y	Y*	Y**	
4. Does the slug/spill plan contain:				
• description of discharge practices?	Y	Y	Y	
• description of stored chemicals?	Y	Y	Y	
• procedures to prevent slugs/spills?	Y	Y	Y	
• procedures to notify POTW of slugs/spills?	Y	Y	Y	
• follow-up practices to minimize damage from slugs/spills?	Y	Y	Y	

* Metro's slug/spill plan is part of their Consolidated Plan with: Hazardous Waste Contingency Plan; SPCC Plan; and Stormwater Pollution Prevention Plan.

** Capitol Power Plant's slug/spill plan is part of their Integrated Contingency Plan.

IU Field Inspection/Sampling Comments

The EPA representative accompanied the DC Water Pretreatment representatives to the Washington Metropolitan Area Transit Authority's. (WMATA or as more commonly known as 'Metro') bus maintenance facility @ Bladensburg Avenue & 26th St. for both the IU's annual inspection and annual sampling visit on two separate dates. This particular Metro facility has two separate divisions, each of which comprise about half of the roughly 10 Acre site:

- Shop – Heavy Maintenance/Repairs/Painting
- Garage – Routine/Preventive Maintenance/Service (fueling, tires, washing, etc.)

The subject narrative report, hereinafter, will refer to the subject Metro facility as 'Metro'.

On July 16, 2010, DC Water performed their annual IU inspection at Metro. The DC Water representatives appeared to have a thorough understanding of Metro's operations, particularly, with respect to the wastewater sources, pretreatment and waste disposal. They inspected both divisions since each generated wastestreams which discharge separately to DC Water's sewer system. A copy of DC Water's inspection report is attached (Ref. Attachment A)

On August 11, 2010. DC Water conducted their annual IU sampling @ Metro which has a sampling location at each of its 2 divisions:

Outfall 001 @ Shop area DC Water used a portable Sigma 900 Max automatic sampler with Teflon tubing to collect their 4 grab samples inside Metro's Shop where they pretreat the various wastestreams generated, there, such as, steam cleaning, floor drainage, etc. Essentially, pretreatment consists of oil/water separation and varying types of filtration through an RGF wastewater package treatment unit which discharges its effluent to Outfall 001 during the Shop's 8 hour (1 shift only) working day. Metro gave copies of their plans to replace the RGF treatment unit to DC Water at this time.

Outfall 002 @ Garage area DC Water manually accumulated 4 grab samples from the onsite manhole (Outfall 002) to collect an 8 hour composite sample. The 002 manhole discharges effluent from the Bus Washing Bays' Oil/Water Separator to DC Water's sewer.

DC Water's field measurements (pH), sampling procedures and preservation methods were, essentially, in compliance with 40 CFR 136.3. Due to the Oil/Water Separator effluent's low flow into the Outfall 002 sampling manhole, DC Water's deviation from the no transfer sampling procedures for Oil & Grease appeared to be reasonable under these conditions (i.e. DC Water needed to dip the sampling container several times into the manhole channel to accumulate enough sample volume for all samples collected here. Otherwise, DC Water's sample preservation, including dechlorination procedures, sample containers, etc. were in compliance with 40 CFR 136.3.

DC Water analyzes their pretreatment samples for conventional wastewater parameters (BOD5, TSS, TP, NH3, TKN) @ their own Blue Plains lab. They send their Metals, Organics, Cyanide and TPH/O&G pretreatment samples to ALSI (Analytical Laboratory Services, Inc. in Middletown, PA), an accredited NELAP (National Environmental Laboratory Accreditation Program) lab which was not included as part of the subject field audit inspection. However, record review indicates that both the DC Water and ALSI labs analytical methods, holding times were in compliance with 40 CFR 136.3. Copies of both labs' reports and the chains of custody are attached (Ref. Attachment B).

Findings

- When feasible, DC Water should record flow (volume) from IU's meter or, if possible, make a reasonable estimate for sampling intervals (e.g. 24 hours) and ensure that the IUs do the same when they sample as well.

Reminders (common findings, oversights, etc., not necessarily applicable to DC Water and their IUs)

1. As noted above, DC Water practices dechlorination procedures when collecting organic and cyanide samples. POTWs need to ensure that their IUs do the same when they sample as well. Specifically, check for a chlorine residual and, if necessary, dechlorinate: organics with sodium thiosulfate; and cyanide with ascorbic acid. NOTE: Chlorinated supply water (municipal, etc.), often, can still have some residual when discharged as process wastewater.
2. POTWs should ensure that their IUs are aware and in compliance with the updated, (as of 7/1/07) *40CFR 136.3* regulations .

Attachments

- A - DC Water's Annual IU Inspection Report @ Metro (Bladensburg, Rd)
- B - DC Water's Annual IU Sampling Labs' Reports, etc. @ Metro (Bladensburg, Rd)



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

5000 OVERLOOK AVENUE, S.W., WASHINGTON, D.C. 20032

August 19, 2010

Ms. Joan LeLacheur
Deputy Chief, Environmental Mgmt & Industrial Hygiene
Dept of System Safety & Risk Management
3500 Pennsy Drive
Hyattsville, MD 20785

Re: 2010 Pretreatment Inspection Reports – Northern, Western, and Bladensburg Garages

Dear Ms. LeLacheur:

Under the conditions of your Industrial Pretreatment Permit, your facilities periodically, but at least once a year, are inspected to ensure compliance with permit conditions and identify potential methods for improving pollution prevention practices. Attached are reports summarizing the inspection findings for the Northern, Western, and Bladensburg Garages. The reports shall be maintained at your facilities for at least three years.

Please review the reports and complete the following action items **within 30 days** of receipt of this notice:

1. Make any corrections or additions to the information stated in the reports.
2. Respond to each of the required and recommended actions provided at the end of each report (i.e., your plans to correct or address the concern identified).

As always, if you have any questions, you may contact me at (202) 787-4177.

Sincerely,

Elaine Wilson
Pretreatment Supervisor

I:\Wastewater\Pretreatment\Inspections\2010\WMATA-Bus-InspecLtr.doc

Enclosures

cc: WMATA-N Inspection File
WMATA-W Inspection File
WMATA-BG Inspection File



PRETREATMENT INSPECTION REPORT

The following information was gathered during facilities inspection and records review for this industrial user (IU) conducted on behalf of the District of Columbia Water and Sewer Authority. This report makes use of oral information supplied by personnel familiar with this facility and its operations, visual observations of the inspector(s), and information obtained from pretreatment records. The findings presented in this report represent existing conditions at the facility as observed by the inspector(s) or as were explained by IU personnel at the time of the inspection.

Industry Name	WMATA – Bladensburg Facility	Permit Number	008-8	Insp. Date	7/16/10
Inspector(s)	Elaine Wilson Rudy Rimando Chuck Hufnagel (EPA)	IU Reps Present	Clyde Lockley, Karl Liebenberg Mike Clark (Heavy Maintenance Shop) Mike McFadden, Marcus Howard (Bladensburg Division)		

Background Information			
Address	2250/2251 26 th Street, N.E. Washington, DC 20018	Mailing Address (if different from previous)	Dept. of System Safety & Risk Mgmt Env Mgmt & Industrial Hygiene (EMIH) 3500 Pennsy Drive Hyattsville, MD 20785
No. of Years at Current Address	Unknown	Indust. Category (e.g., printing)	Transportation - bus
Primary Contact	Joan LeLacheur	Alt. Contact	Mike Clark
Title	Deputy Chief, EMIH	Title	HOMT Shop Maintenance Supervisor
Telephone	301-618-7522	Telephone	202-962-5625
SIC Codes	4111, 4172	No. of Employees	235
No. of Workdays	7	Employees/Shift	169/38/28 (HOMT has one shift)
Water Acct. Nos.	05167814002		
Primary Products or Services Produced	Bus maintenance and servicing	Raw Materials Used in Process	Various, see chemical inventory
Type of Non-discharged Wastes and Name of Waste Haulers	Oily water, pretreatment sludge, and gray water – Clean Ventures Used antifreeze – Clean Ventures Haz (contaminated fuel) and Non-Hazardous wastes (oily rags and absorbants) – Clean Ventures Used oil – USA Oil Refining		
Location(s) where waste is disposed	USA Oil Refining – recycles used oil Clean Ventures receiving facility - Cycle Chem, 550 Industrial Drive, Lewisberry, PA		



PRETREATMENT INSPECTION REPORT

Background Information (continued)	
Pretreatment Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Type of Pretreatment and PM	<p>(1) RGF oil water separator in Heavy Maintenance Shop treats all process wastewater from Building #1 including steam cleaning and discharges to floor drains, etc. This pretreatment train includes a sump, cyclone filter (removes heavy particles from wastestream), pH adjustment, oil water separation with peroxide addition, second oil water separator with sponge filter, charcoal filter, and metal bead filter, three polishing filters, and UV/ozone disinfection. Treated water is discharged to a holding tank (sampling point) and then to the sanitary sewer. Maintenance is done 2x/wk by URS/subsubcontractor.</p> <p>(2) gravity oil water separators (process separators), one (1) at northeast corner of Heavy Maintenance Shop receives discharge from trench drains from this part of the building. This process wastewater is then pumped over to the RGF process separator for further treatment. A second (2) separator for 2251 Buildings 2 and 3 treats bus wash overflow, steam cleaning of bus underbelly, graywater, and discharge from trench drains.</p> <p>PM includes pump out of separators, pits, trenches, graywater tanks, and parts washers done every 6-8 weeks by Clean Ventures. Last done July 12-13, 2010.</p> <p>Limestone neutralization pit in the Division battery room (connected to process separator). WMATA EMIH does annual inspections of the limestone neutralization pit. Last done Feb 09.</p>
List of other permits held by this facility	<p>Haz Waste Generator Permit DCD980555643 (large quantity generator)</p> <p>NPDES General Stormwater Permit DCR00A008</p>
Last Inspection Date	March 10, 2009
Concerns from last inspection	<ol style="list-style-type: none">1. Install graywater tank at the Division (2251) for collection and off-site disposal of floor scrubber wastewater, unless wastewater characterization data is submitted showing that this discharge should be allowed to go to sanitary (via the process separator). FOLLOW-UP: This is scheduled for design in 2011 and construction in 2012.2. Use drip pans or absorbent pads when changing out antifreeze on buses. FOLLOW-UP: This activity was not observed during the 2010 inspection at the location where it was observed during the 2009 inspection. Staff reported that this is general practice for maintenance procedures.
List any changes/updates to last questionnaire or permit application completed by this IU (attach copy as necessary)	New piping and fuel dispensers for diesel buses in service lane.



PRETREATMENT INSPECTION REPORT

Facility Diagram

Sketch the general layout of this facility. Include pertinent information such as: sampling points, chemical storage areas, location of process and pretreatment equipment, sewer catch basins, floor drains, etc.

See Consolidated Plan

Process Flow Diagram (if required)

Sketch a diagram of the flow of materials from start to the completed product, showing all unit processes that generate wastewater

The following processes generate the majority of wastewater at the Bladensburg Garage:

- Steam cleaning wastewater and trench drains from Shop flow to RGF.
- Bus wash water overflow and steam cleaning discharge from Division to process separator outside Building 2.
- Floor scrubber and mop water from Buildings 2 and 3 to process separator outside Building 2.

List any spills, unusual discharges, or temporary problems that have occurred since the last inspection that may have affected the wastewater discharge

Higher than normal concentrations of metals in discharges from outfalls 001 and 002 for March 2010 sampling event.

Process Chemicals and Waste Streams

Process Desc. - Waste Generated	Code Type ⁽¹⁾	Amount	Destination/Comments
Bus wash water	ND	Unknown	80% recycled
Bus wash water overflow	Intermittent	Unknown	To process separator outside Building 2
Steam cleaning wastewater (2251)	Intermittent	Unknown	To process separator outside Building 2
Pangborn machine overflow	Intermittent	Unknown	To process separator in Bldg. 1 then to RGF unit
Parts cleaning wastewater	ND	Unknown	Recycled until spent, then contractor hauled
Floor scrubber wastewater – from Building 1	ND	Unknown	Pumped to gray water tank, then contractor hauled
Floor scrubber wastewater – from Buildings 2 and 3	Intermittent	Unknown	To process separator outside Building 2 then to sanitary
Steam cleaning wastewater (from chassis steam cleaning area)	Intermittent	Unknown	To RGF unit in Bldg. 1
Steam cleaning wastewater (from small parts steam cleaning area)	Intermittent	Currently no discharge	To process separator at corner of bldg then to RGF unit in Bldg. 1



PRETREATMENT INSPECTION REPORT

Process Chemicals and Waste Streams - continued			
Non discharged wastes, including used oil and other waste fluids, drain sediments, and Pangborn sludge	ND	Unknown	Contractor hauled
Storm Runoff	Intermittent	Varies	3 storm separators in the yard discharge to Hickey Run

(1) Code Type:

CD: Continuous Discharge to Sanitary Sewer

OD: Other Disposal - Not by Sanitary Sewer

BD: Batch Discharge to Sanitary Sewer

ND: Not Discharged or disposed

Chemical Storage Areas			
Location	Quantity	AST or UST	Chemical
Heavy Maintenance/Car Shop - 2250			
Heavy Maintenance Shop (Building 1) - outside	4 - 2,500 gal	UST	Motor oil, transmission fluid, water (2) - to be removed/abandoned in 2011
	20,000 gal	UST	Heating oil
	1,000 gal	AST	Used oil
Non-haz drum storage - outside	55 gal	Drums	Non-hazardous - oily rags and absorbent
Hazardous Waste sheds (2) - outside	55 gal	Drums	One shed used for new batteries, other shed had one drum gas cylinders and one unknown
Hydrogen peroxide storage sheds - outside	55 gal	Drum	(3) drums in two containment units
Used oil/antifreeze transfer area	55 gal	Drums	Used oil and antifreeze (reused until spent)
Chassis Steam Cleaning Room	1,000 gal	AST	Graywater tank
Vault/Lift Pump Room	3 - 1,000 gal	UST	Not in use
	1 - 1,500 gal	UST	Engine oil - to be removed/abandoned in 2012
	55 gal	Drums	Gear oil (4) and empty drums
Boiler Room	1 - 1,000 gal	AST	Lift oil (empty and no longer used)
Paint Shop Storage Room	≤55 gal	Drums/container	New product (paints, reducers, hardeners) and non-haz waste (1 drum Bonny Marlin) in sep. area and one drum haz waste (paint)
Car Shop Storeroom	2 - 550 gal	AST	Motor oil
	275 gal	AST	Transmission fluid
	55 gal	Drums	Oils, etc.
Car Shop Used Oil Room	500 gal	AST	Used oil (also a few misc. drums and filter press)
	55 gal	Drum	Used antifreeze



PRETREATMENT INSPECTION REPORT

Chemical Storage Areas - continued			
Location	Quantity	AST or UST	Chemical
Car Shop Used Oil Room	170 gal	AST	Lift oil
Small Parts Steam Cleaning Room	1,000 gal.	AST	Graywater tank
Main Storeroom	55 gal	Drum	Windshield washer fluid
Bladensburg Division - 2251			
Tank Farm outside Buildings 2 and 3	4 – 25,000 gal	UST	Diesel (2), Water (2)
	4 – 10,000 gal	UST	Motor oil, transmission fluid, antifreeze, and water
	8,000 gal	UST	Gasoline
	2 – 6,000 gal	UST	Used oil, transmission fluid
	200 gal	Totes	Used antifreeze
New product drum storage - outside	55 gal	Drums	Oils, lubes, etc.
Non-hazardous waste shed – outside	55 gal	Drums	Oily rags and absorbent
Hazardous waste shed - outside	55 gal	Drum	AC oil (outside shed)
Diesel generator – between Bldg 2 and 3	Unknown	AST	Diesel for emergency generator
Bus Wash Facility - Building 2	2,000 gal	AST	Water
	2 – 500 gal	AST	Bus soap – (1)mix tank, (1) concentrate, +drums
Tire Shop – Building 2	170 gal	AST	Lift oil
Lift Oil Pump Room – Building 3	2 – 170 gal	AST	Lift oil
Maintenance Area – Building 3	55 gal	Drums	Lube oil, etc.
	250 gal	AST	Diesel fuel (portable tank)

Sampling Information				
Sewer Connection	Sewer Size	Average Flow (gpd)	Waste Stream	Sampling Point Description
1	10"	1,100	process	Discharge of process separator and RGF pretreatment system. Treats all industrial wastewater prior to discharge from 2250 bldgs. Discharge to 3'9" SANITARY SEWER south of 26 th St.
2	8"	17,030	process	SANITARY SEWER - Discharge of process separator, inside MH#110, southeast of 26 th St., N.E. Treats all flows from 2251 prior to discharge. Discharge to 3'9" SANITARY SEWER near 26 th St.



PRETREATMENT INSPECTION REPORT

Sampling Comments	Sampling Locations
<p>Samples are collected and analyzed by Microbac and field pH is done on site.</p> <p>001 sampling point is 8-h composite from 0630 – 1430. Manual composite collected at 002 sampling point by DC Water (4 grabs at least one hour apart over a 24-h period).</p>	<p>Sampling Point 001 (RGF holding tank in Bldg#1. Tubing is placed directly into RGF holding tank through a standing pipe so that tubing is lowered into the clean area of the tank and not contaminated by the oil on top.</p> <p>Sampling Point 002 (discharge from process separator at Bldg #2) is located straight out from Building 2 after the large manhole from the process separator.</p>

Summary of Inspection and Comments	
<p>Provide a general description of your observations of the activities that take place at this facility. Note any areas that were not accessible.</p>	<p>Heavy Maintenance Shop (Bldg #1) at 2250 consists of maintenance activities for both CNG and diesel buses (chassis line, engine line, and body shop). Supporting activities include the car shop, welding shop, carpenter shop, paint shop, and storeroom.</p> <p>Outside Storage - Non-hazardous waste storage area consists of drums of oily rags/absorbent sitting outside on pallets. Two hazardous waste sheds were observed, one with new batteries and one with two drums (one with gas cylinders and one unknown to be analyzed). Spill kit observed. Two clamshell sheds with drums of peroxide (for the RGF separator).</p> <p>Heavy Maintenance Shop:</p> <ul style="list-style-type: none">• Chemical storage room that contains USTs in a vault area is no longer used to store materials in the USTs. Some drum storage of gear oil occurs in this area.• Used oil collection/pumping area (to outside AST) has several drums of oil and antifreeze. Antifreeze is recycled and reused until spent.• Chassis steam cleaning operation discharge is pumped to a gravity separator prior to discharging to the RGF unit. The gray water tank is located in the steam cleaning room. Mop water and floor scrubber water are pumped into this tank. Large parts washer in this area. Tanks, pits, and parts washer are pumped out by Clean Ventures every 6-8 weeks.• RGF unit is maintained on a semi-weekly basis by URS subcontractor (pressures and filters are checked). Checklists are filled out and kept on site and the book was up to date. Effluent is metered for flow (unit on wall). Design for new treatment system was discussed and plans provided. Funding anticipated for 2011. Drum of peroxide in secondary containment.• Portable lifts, self-contained lifts, and parallelogram or electric lifts replaced all of the hydraulic in-ground lifts that used the lift oil in the tank (in the Boiler Room). Drums of oils on pallets or individual drums located around the shop. Used oil is collected in portable collection units and then taken to oil transfer area and pumped to outside tank. Drip pans used under buses when doing maintenance. The pans are then drained to the used oil container and then steam cleaned.• At least 4 mobile parts washing machines (Better Engineering) of various sizes are located throughout the shop areas. The wastewater is recirculated and spent wastewater is pumped out by Clean Ventures. Spent wastewater is sometimes emptied into 55 gal drums or rolled to the steam cleaning room for discharge to the gray water system.• Pangborn machine has minimal use/discharge. Glass beads are used to mechanically remove rust from parts. Rust becomes airborne and is wetted and dumped out as sludge (generates approx 1 drum every 6-12 months). Overflow is discharged to the process separator and then to the RGF.• Small parts steam cleaning room is only occasionally used for discharge of floor scrubber washwater. Discharge goes to a grate, which then pumps into a graywater tank for off-site disposal. The parts washers and steam cleaning area are not being used.• Oil storage area near main storeroom has over 15 new drums of oils for three different processes in the Shop



PRETREATMENT INSPECTION REPORT

Summary of Inspection and Comments (continued)

Provide a general description of your observations of the activities that take place at this facility. Note any areas that were not accessible (continued from previous page)

Paint Shop - has 5 spray booths with open floor drains and one large booth with no floor drain. Temporary drain covers (mats) are placed over the drains during painting activities. Each booth has a flammable locker for small quantities of paints, solvents, etc. No vehicle washing is done in the booths. The Paint Shop hazardous waste storage shed has new and used containers of solvents, paints, etc. One non-hazardous waste drum of spray gun cleaner (Bonny Marlin) and one drum of hazardous paint waste was observed in the shed.

Boiler Room - Lift oil tank no longer being used. Hot water boilers have no discharge to the sanitary sewer.

Car Shop - Storeroom with secondary containment (sunken room) contains bulk oil, transmission fluid, and drum storage. The used oil storage area was moved to a new location (adjacent sunken room) where a drain was observed. In addition to the 500 gal AST used oil tank, there is also a flammable cabinet, oil filter press, used antifreeze in containment, lift oil tank, and other miscellaneous materials in this room. Check on drain.

Main Storeroom - Minimal chemical storage in a sunken room with no floor drains. Stored materials mostly <55 gal containers. One 55 gal drum of windshield washer fluid and smaller containers (5 gal containers of adhesive).

Bladensburg Division Garage (Bldgs #2 and #3) at 2251 includes light bodywork, bus washing, and preventive/general maintenance for both CNG and diesel buses. The following observations were noted:

- Natural gas tanks and refueling lanes for CNG buses with low-ash oil system. Service lanes for diesel buses were recently upgraded with new piping/dispensers. Use of the used oil underground tank in the tank farm will be discontinued in the near future and replaced with an AST.
- The bus wash facility has a recycling system that consists of a centrifuge that spins out the solids and reuses about 80% of the wash water (this one is working). The overflow goes to the process separator (most of flow is at night during majority of bus washing activities). A steam cleaner is located in this area for cleaning the undersides of the buses. Floor scrubber wash water is also discharged into the drains in the wash bays. Trench drains are cleaned out periodically when sludge accumulates. An unlabeled drum with a non-haz waste label on it was in this area.
- Outside trench drain is for storm water only (painted blue) and goes to 1 of 3 storm sewer separators in the yard. Inside trench drain connects to bus washing facility and discharges to a process separator.
- Body Shop and Tire Shop have no stored bulk chemicals. Lift oil for the last remaining hydraulic lift in the Tire Shop is located by the adjacent door in the Body Shop.
- Battery room with floor drain to limestone pit connected to sanitary. Caustic spill kit was observed. The pit was inspected in Feb 09 by EMIH and a regular annual PM inspection of the limestone will be done and documented in the logbook maintained on site.
- Mostly CNG buses serviced here, only about 50 diesel buses left, resulting in fewer oil leaks and generally a cleaner facility. In-ground lifts have been filled in and replaced with self-contained hydraulic lifts. Also, about half of the garage is serviced by electric lifts (parallelogram lifts).
- Two large parts washers (Better Engineering) and floor scrubbers used in Bldg 2. Parts washers maintained by Clean Ventures every 6-8 weeks. Floor scrubbers in Building 2 and parking lot scrubber located outside Building 3 are discharged to inside trench drains in the Bus Wash Facility (which goes to the process separator). Mop bucket water also discharged here. No gray water system on the Division side, but a new system will be designed in 2011 and funded in 2012 for this wastewater.
- Used oil collection/pumping area observed and housekeeping was generally acceptable.
- Remaining two lift oil tanks removed from old lift oil room. Several drums of grease were observed in this room.
- Outside storage area contains drums of new chemicals/unused stock. Non-hazardous storage shed contains oily rags and absorbent and one drum of used oil, which should be put into the used oil tank. The hazardous waste shed was empty.

Pollution prevention currently practiced at the facility

See 2010 Pollution Prevention Scorecard.

Pollution prevention recommendations

See 2010 Pollution Prevention Scorecard.



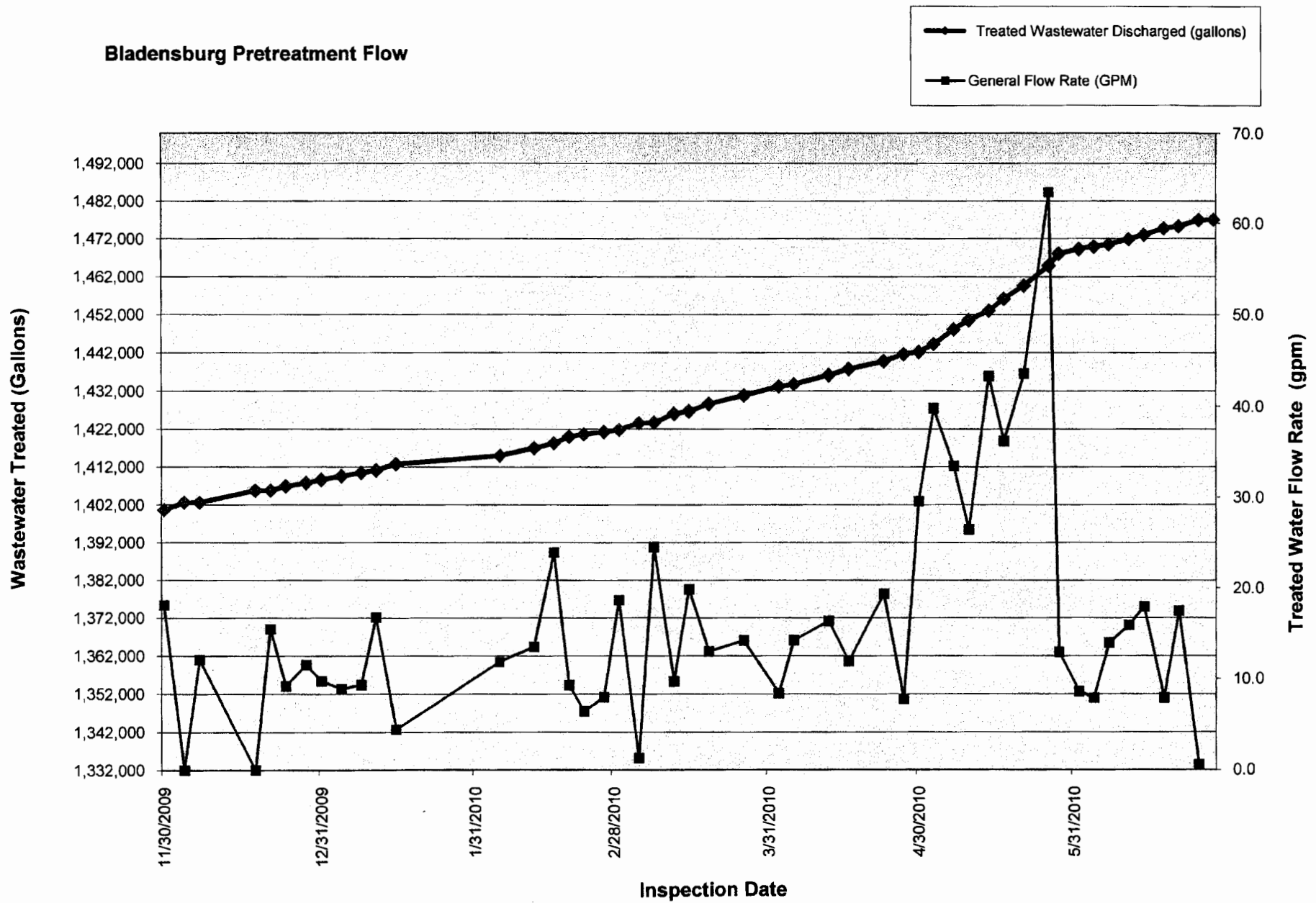
PRETREATMENT INSPECTION REPORT

Summary of Inspection and Comments (continued)	
Violations identified	<input checked="" type="checkbox"/> No violations were identified during this visit. <input type="checkbox"/> The following violations (or potential violations) were identified:
Follow-up required	<ol style="list-style-type: none">1. <i>Confirm whether the drain in the car shop used oil room is plugged or not. If not, this drain should be plugged.</i>2. <i>Drum of unknown material with non-hazardous waste label not filled out was sitting in the bus wash facility area and needs to be identified/labeled and removed.</i>
Follow-up recommended	

Report Attachments	
Attach and list below any additional information collected during this inspection, including photographs	
a) Flow and chemical graphs for pretreatment system	d)
b) New design for pretreatment system (not attached)	e)
c)	f)
Was a records review conducted?	<input checked="" type="checkbox"/> Yes - attached <input type="checkbox"/> No
Was a P2 assessment conducted?	<input checked="" type="checkbox"/> Yes - attached <input type="checkbox"/> No

Elaine Wilson	Pretreatment Supervisor
Name of Inspector (print)	Title (print)
<i>Elaine Wilson</i>	8-19-10
Signature of Inspector	Date

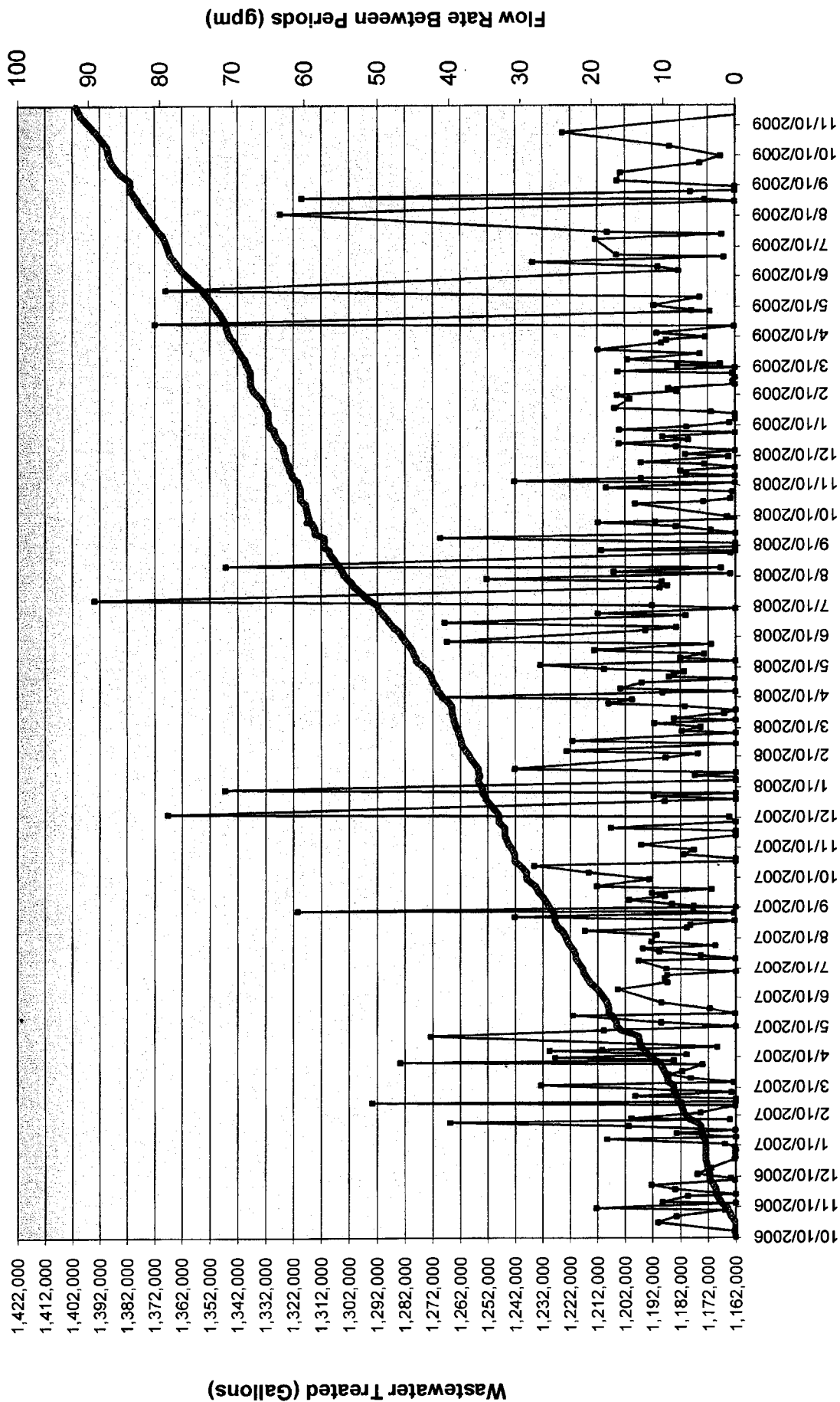
Bladensburg Pretreatment Flow



Bladensburg Pretreatment Flow

— Treated Wastewater Discharged (gallons)

— General Flow Rate (GPM)



Bladenburg Garage - RGF Unit

Chemical Usage

- Chemical Injection of GW wells at ~~Bladenburg~~
Western Garage?

■ Hydrogen Peroxide





INDUSTRIAL USER RECORDS REVIEW CHECKLIST

Industrial User	WMATA – Bladensburg Garage	Permit No.	008-8
Reviewer (print name)	Elaine Wilson	Date	7/16/10

In accordance with Federal guidelines, it is recommended that the following documents be retained by the Industrial User (IU) for a period of at least 3 YEARS. The IU records file may be reviewed by the Pretreatment Inspector periodically.

Wastewater Discharge Permit Application and attachments

☒ Yes ☐ Check if incomplete ☐ No

<input type="checkbox"/>	Details to support all information provided in the permit application	<input checked="" type="checkbox"/>	Wastewater Discharge Permit
none	Variance letters, correction letters, and other documents related to the permit	NA	Baseline Monitoring Report (BMR) (Categorical Users only)
<input checked="" type="checkbox"/>	Drawings indicating all facility activities and discharge monitoring points (Consolidated Plan)	<input type="checkbox"/>	Process flow diagrams for pretreatment equipment (e.g., silver recovery units, etc.) - not required
<input checked="" type="checkbox"/>	Material Safety Data Sheet (MSDS) information for all chemicals – Available on the Intranet	<input checked="" type="checkbox"/>	Vendor (or other) information about the pretreatment equipment – RGF O&M manual, pump
<input checked="" type="checkbox"/>	Hazardous Waste Manifests (if applicable) – manifests for non-haz oily rags/absorbant	<input checked="" type="checkbox"/>	Operations/Maintenance logbook or records for the pretreatment equipment – Pumping logbook, RGF logbook
<input type="checkbox"/>	Quality Assurance Manual – IN MAIN OFFICE	<input checked="" type="checkbox"/>	Pollution Prevention Plan – in Consolidated Plan
<input checked="" type="checkbox"/>	Spill/Slug Control Plan – 2007 Consolidated Plan	<input checked="" type="checkbox"/>	Pretreatment Division inspection reports
<input checked="" type="checkbox"/>	Chain-of-Custody (COC) forms for samples collected by the IU	none	IU correspondence documenting notification of changes (in discharge, operation, etc.)
<input checked="" type="checkbox"/>	IU self-monitoring records and reports	none	IU spill reports (internal and/or submitted to WASA)
none	Pretreatment Division Notices of Violation (NOVs)	none	IU responses to NOVs
NA	Compliance schedules and progress reports	<input type="checkbox"/>	DCMR, Title 21, Chapter 15, Wastewater Regulations – available on-line at www.dcwasa.com
NA	Discharge Authorization Letters	<input type="checkbox"/>	40 CFR Part 403, General Pretreatment Regulations – available on-line at http://ecfr.gpoaccess.gov

Any other relevant information requested by the Pretreatment and Lab Division (please specify):

<input checked="" type="checkbox"/>	Monthly environmental compliance checklists	<input type="checkbox"/>	Biennial Report - 2010
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INDUSTRIAL USER RECORDS REVIEW CHECKLIST

NOTE: *All records that pertain to matters that are the subject of special orders or other enforcement activities or litigation brought by the District shall be retained and preserved by the Industrial User. These records shall be maintained until all such enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.*

Other Comments

Primarily inspected records on the Division side. Files were comprehensive and organized.



POLLUTION PREVENTION SCORECARD

Industrial User	WMATA – Bus Divisions (Northern, Western, and Bladensburg)	Permit No.'s	005-8, 006-8, 008-8
Reviewer (print name)	Elaine Wilson	Date	7/15-19/10

A review of your facility has been conducted, in conjunction with your annual inspection, to document your pollution prevention activities and rate your facility's efforts in the following areas:

1. Source Reduction – Rating: ☐ Excellent ☒ Good ☐ Needs Improvement

<input checked="" type="checkbox"/>	Material substitution	Examples	Aqueous based parts cleaners from solvent based
<input type="checkbox"/>	Process efficiency improvements	Examples	
<input checked="" type="checkbox"/>	Waste minimization	Examples	Use of long-life antifreeze

2. Inventory Control – Rating: ☒ Excellent ☐ Good ☐ Needs Improvement

<input checked="" type="checkbox"/>	Environmentally preferable purchasing program	Examples	Safety review and approval of all products, maintain MSDS on intranet
<input checked="" type="checkbox"/>	Inventory management to minimize storage	Examples	Maximo
<input checked="" type="checkbox"/>	Inventory distribution/tracking system	Examples	Maximo

3. Good Housekeeping and Preventive Maintenance – Rating: ☒ Excellent ☐ Good ☐ Needs Improvement

<input checked="" type="checkbox"/>	Chemical storage areas clean and organized	Examples	Overall good, some areas could use improvement
<input checked="" type="checkbox"/>	Secondary containment used	Examples	Most drums and ASTs with containment
<input checked="" type="checkbox"/>	Housekeeping inspections conducted	Examples	Informal daily inspections by supervisors, discussed at toolbox meetings, and formal inspection monthly
<input checked="" type="checkbox"/>	Dry clean up techniques used	Examples	Oil absorbant pads commonly used
<input checked="" type="checkbox"/>	Spill control equipment readily available	Examples	In stockroom and in shop areas
<input checked="" type="checkbox"/>	Documented preventive maintenance program	Examples	Monthly environmental checklist will identify issues, regular cleaning of interceptors, pits, and trenches

4. Recycling, Reuse, and Treatment of Liquid Wastes – Rating: ☒ Excellent ☐ Good ☐ Needs Improvement

<input checked="" type="checkbox"/>	Wastestream recovery and reuse/recycling	Examples	Recirculating bus wash, recirculating parts cleaners
<input checked="" type="checkbox"/>	On-site treatment or off-site management	Examples	Graywater treated or collected, used oil/antifreeze collected, etc.



POLLUTION PREVENTION SCORECARD

5. Water Conservation – Rating: <input type="checkbox"/> Excellent <input checked="" type="checkbox"/> Good <input type="checkbox"/> Needs Improvement			
<input checked="" type="checkbox"/>	Reduced water consumption from equipment or process changes	Examples	Bus wash recirculating system, Floor scrubbers with recirculating systems
<input type="checkbox"/>	Water saving devices installed	Examples	
Additional Comments (may include P2 efforts for solid wastestreams, wastestream treatment improvements, etc.)			
<i>Light bulbs sent to Pennsy Drive facility to be crushed and managed for off-site recycling.</i>			
Recommendations			
<i>Continue to improve housekeeping and make sure all oil drums and tanks have secondary containment.</i>			



DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
PRETREATMENT AND LAB DIVISION

p. 1 of 4

CHAIN OF CUSTODY RECORD

Industry Name												Required Analyses													
Address																									
Sampling Crew																									
Sample Location																									
manhole/ outfall no.		seq no.	grab/ comp	date	time	Vol	glass/ plast	pres meth	temp	flow*	pH	date	time												
001	1	G	8/11/10	0900	100ml	P	None				7.19	8/11/10	0903	TPH - 1664 Cyanide VOC ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓											
	2	↓	↓	↓	1L	G	H ₂ SO ₄																		
001	3	G	8/11/10	1030	1L	G	H ₂ SO ₄																		
	4	↓	↓	↓	500ml	P	Acetic acid + NaOH																		
	5,6	↓	↓	↓	400ml	vial	Thio + HCl																		
	7	↓	↓	↓	100ml	P	None				7.44	8/11/10	1045												
001	8	G	8/11/10	1155	100ml	P	None				7.08	8/11/10	1200												
	9	↓	↓	↓	1L	G	H ₂ SO ₄																		
001	10	G	8/11/10	1330	100ml	P	None				7.06	8/11/10	1335												
	11	↓	↓	↓	1L	G	H ₂ SO ₄																		
Relinquished by				Date		Time		Received by																	
Relinquished by				Date		Time		Received by						Flow Start - 1492675 0900 8/11/10											
Relinquished by				Date		Time		Received by						Chlorine = 0.02 PPM 1033 8/11/10											
Relinquished by				Date		Time		Received by						pH 7 buffer check = 6.98 8/11/10 @ 1158											
Relinquished by				Date		Time		Received by						pH 7 buffer check = 7.98 8/11/10 @ 1330											

* Flow measured in gpd, obtained from IU or District monitoring.

B

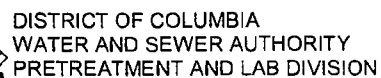


DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
PRETREATMENT AND LAB DIVISION

CHAIN OF CUSTODY RECORD

Industry Name		WMATA - Bladensburg											Required Analyses															
Address		2251 26th St. NE Washington DC																										
Sampling Crew		R. Rivas, E. Wilson																										
Sample Location		Type	Collection		Container			Field Meas.		pH Analysis																		
manhole/ outfall no.	seq no.	grab/ comp	date	time	Vol	glass/ plast	pres meth	temp	flow*	pH	date	time	TPH - 1664	Residuals/POs	Swirlables	Total Metals	BOD/TSS	TKN/NH ₃ /TP (w/450m)	Cyanide	VOC								
002	1	G	8/11/10	0920	100mL	P	None			7.24	8/11/10	0927																
	2				1L	G	H ₂ SO ₄						✓															
	3-8	↓	↓	↓	225mL	G/P	None							C	C		C	C										
	9	↓	↓	↓	125mL	P	HNO ₃									C												
	10	G	8/11/10	1055	100mL	P	None			7.24	8/11/10	1108																
	11				1L	G	H ₂ SO ₄						✓							✓	✓							
	12-17				225mL	G/P	None							C	C		C	C										
	18	↓	↓	↓	125mL	P	HNO ₃									C												
	19	G	8/11/10	1210	200mL	P	None			6.90	8/11/10	1218																
✓	20-23	↓	↓	↓	1L	G	H ₂ SO ₄						✓															
Relinquished by		Date		Time		Received by		Comments: pH meter calibrated? <input type="checkbox"/> Yes <input type="checkbox"/> No																				
E. Wilson		8/11/10		1515		[Signature]		pH 7 buffer check = 6.96 8/11/10 1105 chlorine = 0.00 PPM 8/11/10 1100 C = Manual Composite																				
Relinquished by		Date		Time		Received by																						
Relinquished by		Date		Time		Received by																						

* Flow measured in gpd, obtained from IU or District monitoring.



CHAIN OF CUSTODY RECORD

[illegible]

* Flow measured in gpd, obtained from IU or District monitoring.




LABORATORY ANALYSIS REPORT

Prepared For:	Elaine Wilson	Date:	8/12/10
Project Name:	Pretreatment		

Sample Name: WMATA- Bladensburg - 001				Collection Date/Time: 8/11/10 – 0630-1430		
Parameter	Result	Test Unit	Method	Analysis Date	Analysis Time	Initials
TSS	63.5	mg/L	EPA 160.2	8/12/10	1100	FN
TP	2.90	mg/L	EPA 365.4	8/12/10	1300	MM
TKN	5.07	mg/L	EPA 351.2	8/12/10	1400	MM
NH3	0.09	mg/L	EPA 350.1	8/12/10	1130	MM
BOD	110	mg/L	EPA 405.1	8/12/10	1100	DA

Sample Name: WMATA- Bladensburg - 002				Collection Date/Time: 8/11/10 – 1210-1350		
Parameter	Result	Test Unit	Method	Analysis Date	Analysis Time	Initials
TSS	103	mg/L	EPA 160.2	8/12/10	1100	FN
TP	1.46	mg/L	EPA 365.4	8/12/10	1300	MM
TKN	4.52	mg/L	EPA 351.2	8/12/10	1400	MM
NH3	0.56	mg/L	EPA 350.1	8/12/10	1130	MM
BOD	63.7	mg/L	EPA 405.1	8/12/10	1100	DA

All procedures are conducted in accordance with EPA-approved methods for the analysis of wastewater found in 40 CFR Part 136:

	8/12/10
Certified by Greg Phillips, Laboratory Supervisor	Date



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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

Project Name: Industrial Pretreatment (IP)
Purchase Order: 100135

Workorder: 9860026
Workorder ID: IP/WMATA Bladensburg Garage

Ms. Elaine Wilson
DC WASA
5000 Overlook Avenue, S.W.
Washington, DC 20032

August 20, 2010

Dear Ms. Wilson,

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 12, 2010

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Denise Brooks (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Accounts Payable-4th Floor

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.


Anna G Milliken
Laboratory Manager



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PA 22-293 NJ PA010



34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

SAMPLE SUMMARY

Workorder: 9860026 IP/WMATA Bladensburg Garage

Discard Date: 09/03/2010

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9860026001	10-WMATA-BG-001	Waste Water	8/11/10 09:00	8/12/10 19:50	Customer
9860026002	10-WMATA-BG-001	Waste Water	8/11/10 10:30	8/12/10 19:50	Customer
9860026003	10-WMATA-BG-001	Waste Water	8/11/10 10:35	8/12/10 19:50	Customer
9860026004	10-WMATA-BG-001	Waste Water	8/11/10 11:55	8/12/10 19:50	Customer
9860026005	10-WMATA-BG-001	Waste Water	8/11/10 13:30	8/12/10 19:50	Customer
9860026006	10-WMATA-BG-001	Waste Water	8/11/10 14:30	8/12/10 19:50	Customer
9860026007	Trip Blank	Waste Water	8/12/10 19:50	8/12/10 19:50	Customer

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference



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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026001

Date Collected: 8/11/2010 09:00

Matrix: Waste Water

Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Oil/Grease Hexane Extractable	29.9	mg/L		2.8	0.7	EPA 1664A		8/19/10 09:47	ELT	B
Oil/Grease Silica Gel Treated	18.2	mg/L		2.8	0.6	EPA 1664A		8/19/10 09:47	ELT	B

Sample Comments:

Anna G Milliken
Laboratory Manager



**ANALYTICAL
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PA 22-293 NJ PA010



34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026002

Date Collected: 8/11/2010 10:30

Matrix: Waste Water

Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Cyanide, Total	0.0040J	mg/L		0.0050	0.0010	EPA 335.4	8/13/10 TMG	8/17/10 13:28	KLR	C1
Oil/Grease Hexane Extractable	29.0	mg/L		2.8	0.7	EPA 1664A		8/19/10 09:47	ELT	B
Oil/Grease Silica Gel Treated	16.9	mg/L		2.8	0.6	EPA 1664A		8/19/10 09:47	ELT	B

Sample Comments:

Anna G Milliken

Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026003

Date Collected: 8/11/2010 10:35

Matrix: Waste Water

Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	ug/L		30.0	2.4	EPA 624		8/19/10 16:52	MES	B
Acrylonitrile	ND	ug/L		5.0	0.89	EPA 624		8/19/10 16:52	MES	B
Benzene	ND	ug/L		1.0	0.16	EPA 624		8/19/10 16:52	MES	B
Bromodichloromethane	ND	ug/L		1.0	0.13	EPA 624		8/19/10 16:52	MES	B
Bromoform	ND	ug/L		2.0	0.21	EPA 624		8/19/10 16:52	MES	B
Bromomethane	ND	ug/L		2.0	0.27	EPA 624		8/19/10 16:52	MES	B
Carbon Tetrachloride	ND	ug/L		1.0	0.24	EPA 624		8/19/10 16:52	MES	B
Chlorobenzene	1.7	ug/L		1.0	0.11	EPA 624		8/19/10 16:52	MES	B
Chlorodibromomethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 16:52	MES	B
Chloroethane	ND	ug/L		1.0	0.24	EPA 624		8/19/10 16:52	MES	B
2-Chloroethylvinyl ether	ND	ug/L		2.0	0.28	EPA 624		8/19/10 16:52	MES	B
Chloroform	ND	ug/L		1.0	0.15	EPA 624		8/19/10 16:52	MES	B
Chloromethane	ND	ug/L		1.0	0.25	EPA 624		8/19/10 16:52	MES	B
1,2-Dichlorobenzene	1.3	ug/L		1.0	0.20	EPA 624		8/19/10 16:52	MES	B
1,3-Dichlorobenzene	ND	ug/L		1.0	0.14	EPA 624		8/19/10 16:52	MES	B
1,4-Dichlorobenzene	ND	ug/L		1.0	0.15	EPA 624		8/19/10 16:52	MES	B
1,1-Dichloroethane	7.8	ug/L		1.0	0.19	EPA 624		8/19/10 16:52	MES	B
1,2-Dichloroethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 16:52	MES	B
1,1-Dichloroethene	ND	ug/L		1.0	0.17	EPA 624		8/19/10 16:52	MES	B
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.12	EPA 624		8/19/10 16:52	MES	B
1,2-Dichloropropane	ND	ug/L		1.0	0.24	EPA 624		8/19/10 16:52	MES	B
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.12	EPA 624		8/19/10 16:52	MES	B
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	EPA 624		8/19/10 16:52	MES	B
1,3-Dichloropropene, Total	ND	ug/L		1.0	0.19	EPA 624		8/19/10 16:52	MES	B
Ethylbenzene	ND	ug/L		1.0	0.16	EPA 624		8/19/10 16:52	MES	B
Methylene Chloride	ND	ug/L		1.0	0.32	EPA 624		8/19/10 16:52	MES	B
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 16:52	MES	B
Tetrachloroethene	ND	ug/L		1.0	0.26	EPA 624		8/19/10 16:52	MES	B
Toluene	0.32J	ug/L		1.0	0.12	EPA 624		8/19/10 16:52	MES	B
1,1,1-Trichloroethane	ND	ug/L		1.0	0.27	EPA 624		8/19/10 16:52	MES	B
1,1,2-Trichloroethane	ND	ug/L		1.0	0.30	EPA 624		8/19/10 16:52	MES	B
Trichloroethene	ND	ug/L		1.0	0.21	EPA 624		8/19/10 16:52	MES	B
Trichlorofluoromethane	ND	ug/L		1.0	0.21	EPA 624		8/19/10 16:52	MES	B
Vinyl Chloride	ND	ug/L		2.0	0.24	EPA 624		8/19/10 16:52	MES	B
Surrogate Recoveries	Results	Units	Footnotes	Limits		Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	88.1	%		72-142		EPA 624		8/19/10 16:52	MES	B
4-Bromofluorobenzene (S)	92.6	%		73-119		EPA 624		8/19/10 16:52	MES	B
Dibromofluoromethane (S)	83.1	%		74-132		EPA 624		8/19/10 16:52	MES	B
Toluene-d8 (S)	96	%		75-133		EPA 624		8/19/10 16:52	MES	B

Sample Comments:



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ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026003

Date Collected: 8/11/2010 10:35

Matrix: Waste Water

Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed By	Cntr
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Anna G Milliken

Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026004

Date Collected: 8/11/2010 11:55

Matrix: Waste Water

Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Oil/Grease Hexane Extractable	25.9	mg/L		2.5	0.6	EPA 1664A		8/19/10 09:47	ELT	B
Oil/Grease Silica Gel Treated	16.7	mg/L		2.5	0.5	EPA 1664A		8/19/10 09:47	ELT	B

Sample Comments:

Anna G Milliken
Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026005

Date Collected: 8/11/2010 13:30

Matrix: Waste Water

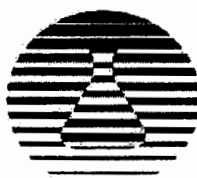
Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Oil/Grease Hexane Extractable	25.0	mg/L		2.4	0.6	EPA 1664A		8/19/10 09:47	ELT	B
Oil/Grease Silica Gel Treated	17.0	mg/L		2.4	0.5	EPA 1664A		8/19/10 09:47	ELT	B

Sample Comments:


Anna G Milliken
Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026006

Date Collected: 8/11/2010 14:30

Matrix: Waste Water

Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.7	0.72	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Acenaphthylene	ND	ug/L		1.7	0.73	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Anthracene	ND	ug/L		1.7	0.73	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Benzidine	ND	ug/L		22.2	10.4	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Benzo(a)anthracene	ND	ug/L		1.7	0.77	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Benzo(a)pyrene	ND	ug/L		1.7	0.58	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Benzo(b)fluoranthene	ND	ug/L		1.7	0.73	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Benzo(g,h,i)perylene	ND	ug/L		1.7	0.73	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Benzo(k)fluoranthene	ND	ug/L		1.7	0.72	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
4-Bromophenyl-phenylether	ND	ug/L		3.3	0.72	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Butylbenzylphthalate	1.9J	ug/L		3.3	0.67	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
4-Chloro-3-methylphenol	ND	ug/L		8.9	0.70	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Bis(2-Chloroethoxy)methane	ND	ug/L		3.3	0.87	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Bis(2-Chloroethyl)ether	ND	ug/L		3.3	1.0	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
bis(2-Chloroisopropyl)ether	ND	ug/L		3.3	0.94	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2-Chloronaphthalene	ND	ug/L		3.3	0.79	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2-Chlorophenol	ND	ug/L		8.9	0.86	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
4-Chlorophenyl-phenylether	ND	ug/L		3.3	0.88	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Chrysene	ND	ug/L		1.7	0.79	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Di-n-Butylphthalate	1.2J	ug/L		3.3	0.80	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Di-n-Octylphthalate	ND	ug/L		8.9	0.54	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Dibenzo(a,h)anthracene	ND	ug/L		1.7	0.72	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
3,3-Dichlorobenzidine	ND	ug/L		17.8	7.5	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2,4-Dichlorophenol	ND	ug/L		8.9	0.71	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Diethylphthalate	13.2	ug/L		8.9	0.58	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2,4-Dimethylphenol	ND	ug/L		8.9	1.4	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Dimethylphthalate	ND	ug/L		8.9	0.79	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2,4-Dinitrophenol	ND	ug/L		17.8	3.2	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2,4-Dinitrotoluene	ND	ug/L		3.3	0.63	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2,6-Dinitrotoluene	ND	ug/L		3.3	0.69	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
1,2-Diphenylhydrazine	ND	ug/L		3.3	0.67	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
bis(2-Ethylhexyl)phthalate	34.9	ug/L		3.3	0.59	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Fluoranthene	ND	ug/L		1.7	0.63	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Fluorene	ND	ug/L		1.7	0.71	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Hexachlorobenzene	ND	ug/L		3.3	0.77	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Hexachlorobutadiene	ND	ug/L		3.3	0.92	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Hexachlorocyclopentadiene	ND	ug/L		8.9	3.1	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Hexachloroethane	ND	ug/L		3.3	0.71	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.7	0.73	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Isophorone	ND	ug/L		3.3	0.66	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2-Methyl-4,6-dinitrophenol	ND	ug/L		8.9	3.3	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Naphthalene	ND	ug/L		1.7	0.78	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Nitrobenzene	ND	ug/L		3.3	1.0	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2-Nitrophenol	ND	ug/L		8.9	0.67	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
4-Nitrophenol	ND	ug/L		8.9	1.4	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
N-Nitrosodimethylamine	ND	ug/L		3.3	0.91	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1



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ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026006

Date Collected: 8/11/2010 14:30

Matrix: Waste Water

Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
N-Nitroso-di-n-propylamine	ND	ug/L		3.3	0.93	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
N-Nitrosodiphenylamine	ND	ug/L		3.3	0.68	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Pentachlorophenol	ND	ug/L		17.8	2.8	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Phenanthrene	ND	ug/L		1.7	0.73	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Phenol	5.6J	ug/L		8.9	1.1	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Pyrene	ND	ug/L		1.7	0.74	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
1,2,4-Trichlorobenzene	ND	ug/L		3.3	0.67	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2,4,6-Trichlorophenol	ND	ug/L		8.9	0.67	EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Surrogate Recoveries	Results	Units	Footnotes	Limits		Method	Prepared	By	Analyzed	By	Cntr
2,4,6-Tribromophenol (S)	111	%		38-134		EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Terphenyl-d14 (S)	77.4	%		33-125		EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Phenol-d5 (S)	47.2	%		11-53		EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2-Fluorobiphenyl (S)	83.4	%		37-113		EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
2-Fluorophenol (S)	51.6	%		17-73		EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1
Nitrobenzene-d5 (S)	95	%		37-124		EPA 625	8/17/10	CAC	8/18/10 11:45	DRS	D1

Pesticides and PCBs

Aldrin	ND	ug/L		0.026	0.013	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
alpha-BHC	ND	ug/L		0.026	0.0087	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
beta-BHC	ND	ug/L		0.026	0.016	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
delta-BHC	ND	ug/L		0.026	0.0092	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
gamma-BHC	ND	ug/L		0.026	0.010	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Chlordane	ND	ug/L		0.53	0.083	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
4,4'-DDD	ND	ug/L		0.026	0.0071	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
4,4'-DDE	ND	ug/L		0.026	0.0084	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
4,4'-DDT	ND	ug/L		0.026	0.0065	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Dieldrin	0.047	ug/L		0.026	0.0064	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Endosulfan I	ND	ug/L		0.026	0.0020	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Endosulfan II	0.0081J	ug/L		0.026	0.0074	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Endosulfan Sulfate	ND	ug/L		0.026	0.0065	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Endrin	ND	ug/L		0.026	0.0072	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Endrin Aldehyde	ND	ug/L		0.026	0.0039	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Heptachlor	ND	ug/L		0.026	0.010	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Heptachlor Epoxide	ND	ug/L		0.026	0.0068	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Mirex	ND	ug/L		0.026	0.015	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Toxaphene	ND	ug/L		1.1	0.093	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Aroclor-1016	ND	ug/L		0.53	0.23	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Aroclor-1221	ND	ug/L		0.53	0.35	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Aroclor-1232	ND	ug/L		0.53	0.43	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Aroclor-1242	ND	ug/L		0.53	0.25	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Aroclor-1248	ND	ug/L		0.53	0.20	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Aroclor-1254	ND	ug/L		0.53	0.33	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Aroclor-1260	ND	ug/L		0.53	0.23	EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Surrogate Recoveries	Results	Units	Footnotes	Limits		Method	Prepared	By	Analyzed	By	Cntr
Decachlorobiphenyl (S)	56.4	%		30-150		EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1
Tetrachloro-m-xylene (S)	101	%		36-112		EPA 608	8/16/10	RSS	8/18/10 11:18	KJH	C1



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ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026006

Date Collected: 8/11/2010 14:30

Matrix: Waste Water

Sample ID: 10-WMATA-BG-001

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
METALS											
Arsenic, Total	0.0011J	mg/L		0.0015	0.00032	EPA 200.8	8/13/10	MNP	8/16/10 23:26	AJB	A1
Cadmium, Total	0.0022	mg/L		0.00050	0.00012	EPA 200.8	8/13/10	MNP	8/16/10 23:26	AJB	A1
Chromium, Total	0.0068	mg/L		0.0010	0.00029	EPA 200.8	8/13/10	MNP	8/16/10 23:26	AJB	A1
Copper, Total	0.070	mg/L		0.0025	0.00038	EPA 200.8	8/13/10	MNP	8/17/10 15:43	AJB	A1
Lead, Total	0.020	mg/L		0.0010	0.00011	EPA 200.8	8/13/10	MNP	8/16/10 23:26	AJB	A1
Mercury, Total	ND	mg/L		0.00050	0.000030	EPA 245.1	8/17/10	MNP	8/17/10 12:32	MNP	A2
Molybdenum, Total	0.016	mg/L		0.0010	0.000040	EPA 200.8	8/13/10	MNP	8/16/10 23:26	AJB	A1
Nickel, Total	0.025	mg/L		0.0025	0.00012	EPA 200.8	8/13/10	MNP	8/17/10 15:43	AJB	A1
Selenium, Total	ND	mg/L		0.0020	0.00015	EPA 200.8	8/13/10	MNP	8/16/10 23:26	AJB	A1
Silver, Total	ND	mg/L		0.0010	0.000030	EPA 200.8	8/13/10	MNP	8/16/10 23:26	AJB	A1
Zinc, Total	0.38	mg/L		0.0025	0.00057	EPA 200.8	8/13/10	MNP	8/17/10 15:43	AJB	A1

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.


Anna G Milliken
Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860026 IP/WMATA Bladensburg Garage

Lab ID: 9860026007

Date Collected: 8/12/2010 19:50

Matrix: Waste Water

Sample ID: Trip Blank

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	ug/L		30.0	2.4	EPA 624		8/19/10 17:25	MES	B
Acrylonitrile	ND	ug/L		5.0	0.89	EPA 624		8/19/10 17:25	MES	B
Benzene	ND	ug/L		1.0	0.16	EPA 624		8/19/10 17:25	MES	B
Bromodichloromethane	ND	ug/L		1.0	0.13	EPA 624		8/19/10 17:25	MES	B
Bromoform	ND	ug/L		2.0	0.21	EPA 624		8/19/10 17:25	MES	B
Bromomethane	ND	ug/L		2.0	0.27	EPA 624		8/19/10 17:25	MES	B
Carbon Tetrachloride	ND	ug/L		1.0	0.24	EPA 624		8/19/10 17:25	MES	B
Chlorobenzene	ND	ug/L		1.0	0.11	EPA 624		8/19/10 17:25	MES	B
Chlorodibromomethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 17:25	MES	B
Chloroethane	ND	ug/L		1.0	0.24	EPA 624		8/19/10 17:25	MES	B
2-Chloroethylvinyl ether	ND	ug/L		2.0	0.28	EPA 624		8/19/10 17:25	MES	B
Chloroform	ND	ug/L		1.0	0.15	EPA 624		8/19/10 17:25	MES	B
Chloromethane	ND	ug/L		1.0	0.25	EPA 624		8/19/10 17:25	MES	B
1,2-Dichlorobenzene	ND	ug/L		1.0	0.20	EPA 624		8/19/10 17:25	MES	B
1,3-Dichlorobenzene	ND	ug/L		1.0	0.14	EPA 624		8/19/10 17:25	MES	B
1,4-Dichlorobenzene	ND	ug/L		1.0	0.15	EPA 624		8/19/10 17:25	MES	B
1,1-Dichloroethane	ND	ug/L		1.0	0.19	EPA 624		8/19/10 17:25	MES	B
1,2-Dichloroethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 17:25	MES	B
1,1-Dichloroethene	ND	ug/L		1.0	0.17	EPA 624		8/19/10 17:25	MES	B
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.12	EPA 624		8/19/10 17:25	MES	B
1,2-Dichloropropane	ND	ug/L		1.0	0.24	EPA 624		8/19/10 17:25	MES	B
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.12	EPA 624		8/19/10 17:25	MES	B
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	EPA 624		8/19/10 17:25	MES	B
1,3-Dichloropropene, Total	ND	ug/L		1.0	0.19	EPA 624		8/19/10 17:25	MES	B
Ethylbenzene	ND	ug/L		1.0	0.16	EPA 624		8/19/10 17:25	MES	B
Methylene Chloride	ND	ug/L		1.0	0.32	EPA 624		8/19/10 17:25	MES	B
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 17:25	MES	B
Tetrachloroethene	ND	ug/L		1.0	0.26	EPA 624		8/19/10 17:25	MES	B
Toluene	ND	ug/L		1.0	0.12	EPA 624		8/19/10 17:25	MES	B
1,1,1-Trichloroethane	ND	ug/L		1.0	0.27	EPA 624		8/19/10 17:25	MES	B
1,1,2-Trichloroethane	ND	ug/L		1.0	0.30	EPA 624		8/19/10 17:25	MES	B
Trichloroethene	ND	ug/L		1.0	0.21	EPA 624		8/19/10 17:25	MES	B
Trichlorofluoromethane	ND	ug/L		1.0	0.21	EPA 624		8/19/10 17:25	MES	B
Vinyl Chloride	ND	ug/L		2.0	0.24	EPA 624		8/19/10 17:25	MES	B
Surrogate Recoveries	Results	Units	Footnotes	Limits		Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	86.9	%		72-142		EPA 624		8/19/10 17:25	MES	B
4-Bromofluorobenzene (S)	91.5	%		73-119		EPA 624		8/19/10 17:25	MES	B
Dibromofluoromethane (S)	81.2	%		74-132		EPA 624		8/19/10 17:25	MES	B
Toluene-d8 (S)	94.5	%		75-133		EPA 624		8/19/10 17:25	MES	B

Sample Comments:



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ANALYTICAL RESULTS

Workorder: 9860026 IPWMATA Bladensburg Garage

Lab ID: 9860026007

Date Collected: 8/12/2010 19:50

Matrix: Waste Water

Sample ID: Trip Blank

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
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Anna G Milliken
Laboratory Manager


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**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

Generated by ALSI

COC #

ALSI G


 XXXX
of
XXXX

**ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.**

Client Name: DCWASA - Wilmington			Container Type: CG		PL: CG		AG: AG		AG: AG		PE: PE		Receipt Information (completed by Receiving Lab)													
Address: 5000 Overlook Ave SW Washington, D.C. 20032			Container Size: 500 mL		800 mL		40 mL		15 mL		500 mL		Cooler Temp: 2	Therm ID: 0135224												
Contact: Elaine Wilson			Preservative: H2SO4		HNO3		ThioHCl		Thio		Thio		No. of Coolers: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Initial: KS													
Phone#: 202-787-4177			ANALYSES/METHOD REQUESTED																							
Project Name/#: IP/WMAT A Bladensburg Garage			<table border="1"> <tr> <td>TPH - 1664 HEM-SGT</td> <td>Total Metals: 200.8 (As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn) 245.1 for Hg</td> <td>VOC - 624</td> <td>semi-volatile organics - 625</td> <td>Pesticides/PCBs - 608</td> <td>cyanide</td> </tr> </table>												TPH - 1664 HEM-SGT	Total Metals: 200.8 (As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn) 245.1 for Hg	VOC - 624	semi-volatile organics - 625	Pesticides/PCBs - 608	cyanide						
TPH - 1664 HEM-SGT	Total Metals: 200.8 (As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn) 245.1 for Hg	VOC - 624	semi-volatile organics - 625	Pesticides/PCBs - 608	cyanide																					
Bill To: Accounts Payable Office, 4th Floor			<table border="1"> <tr> <td>TAT</td> <td><input checked="" type="checkbox"/> Normal Standard TAT is 10-12 business days.</td> <td><input type="checkbox"/> Rush-Subject to ALSI approval and surcharges.</td> </tr> <tr> <td>Date Required:</td> <td colspan="2">Approved By: _____</td> </tr> <tr> <td>Email?</td> <td><input checked="" type="checkbox"/> Y</td> <td><input type="checkbox"/> N</td> </tr> <tr> <td>Fax?</td> <td><input type="checkbox"/> Y</td> <td><input checked="" type="checkbox"/> No</td> </tr> </table>												TAT	<input checked="" type="checkbox"/> Normal Standard TAT is 10-12 business days.	<input type="checkbox"/> Rush-Subject to ALSI approval and surcharges.	Date Required:	Approved By: _____		Email?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Fax?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> No
TAT	<input checked="" type="checkbox"/> Normal Standard TAT is 10-12 business days.	<input type="checkbox"/> Rush-Subject to ALSI approval and surcharges.																								
Date Required:	Approved By: _____																									
Email?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N																								
Fax?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> No																								
Sample Description/Location (as it will appear on the lab report)			Sample Date	Time	*G or C	**Matrix	Enter Number of Containers Per Sample or Field Results Below.						Courier/Tracking #:	Sample/COC Comments												
10- WMATA - BG - 001	8/11/10	0900	G	WW	1																					
10- WMATA - BG - 001	8/11/10	1030	G	WW	1							1														
10- WMATA - BG - 001	8/11/10	1035	G	WW			2																			
10- WMATA - BG - 001	8/11/10	1155	G	WW	1																					
10- WMATA - BG - 001	8/11/10	1330	G	WW	1																					
10- WMATA - BG - 001	8/11/10	1430	C	WW		1		2	1																	
Trip Blank	8/12	1950					2																			
Project Comments: KS 8/12/10			LOGGED BY (signature): Kelli Snow			8/12/10			B317			*Analyze only if VOC present in sample ALSI Field Services: <input type="checkbox"/> Pickup <input type="checkbox"/> Labor <input type="checkbox"/> Composite Sampling <input type="checkbox"/> Rental Equipment <input type="checkbox"/> Other:														
REVIEWED BY (signature): _____			Date: _____			Time: _____			Data Deliverables			Standard <input type="checkbox"/> CLP-like <input type="checkbox"/> USACE <input type="checkbox"/>														
Relinquished By / Company Name			Date	Time	Received By / Company Name			Date	Time	Special Processing USACE <input type="checkbox"/> Navy <input type="checkbox"/> State Samples Collected in: <input type="checkbox"/> NY <input type="checkbox"/> NJ <input type="checkbox"/> PA <input type="checkbox"/> NC																
1. DCWASA			8/12/10	2:45	1. DCWASA			8/12/10	1455	Reportable to PADEP? <input type="checkbox"/> Yes <input type="checkbox"/> PWSID # _____ EDDS: Format Type: _____																
3. DCWASA			8/12/10	1905	3. DCWASA			8/12/10	1905	Sample Disposal: <input type="checkbox"/> Lab <input type="checkbox"/> Special <input type="checkbox"/>																
5. DCWASA			8/12/10	1950	5. DCWASA			8/12/10	1950																	
7. _____					7. _____																					
9. _____					9. _____																					

* G=Grab; C=Composite

** Matrix - A=Air; DW=Drinking Water; GW=Groundwater; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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Rev 8/04

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

Project Name:	Industrial Pretreatment (IP)	Workorder:	9860022
Purchase Order:	100135	Workorder ID:	IP/WMATA Bladensburg Garage

Ms. Elaine Wilson
DC WASA
5000 Overlook Avenue, S.W.
Washington, DC 20032

August 20, 2010

Dear Ms. Wilson,

Enclosed are the analytical results for samples received by the laboratory on Thursday, August 12, 2010

ALSI is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Denise Brooks (Project Coordinator) or Anna G Milliken (Laboratory Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALSI's NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

This laboratory report may not be reproduced, except in full, without the written approval of ALSI.

NOTE: ALSI has changed the report generation tool and while we have tried to retain the existing format, you will notice some changes in the laboratory report. Please feel free to contact ALSI in case you have any questions.

Analytical Laboratory Services, Inc.

CC: Accounts Payable-4th Floor

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.


Anna G Milliken
Laboratory Manager



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SAMPLE SUMMARY

Workorder: 9860022 IP/WMATA Bladensburg Garage

Discard Date: 09/03/2010

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9860022001	10-WMATA-BG-002	Waste Water	8/11/10 09:20	8/12/10 19:50	Customer
9860022002	10-WMATA-BG-002	Waste Water	8/11/10 10:55	8/12/10 19:50	Customer
9860022003	10-WMATA-BG-002	Waste Water	8/11/10 12:10	8/12/10 19:50	Customer
9860022004	10-WMATA-BG-002	Waste Water	8/11/10 13:50	8/12/10 19:50	Customer
9860022005	10-WMATA-BG-002	Waste Water	8/11/10 13:50	8/12/10 19:50	Customer

Workorder Comments:

Notes

- Samples collected by ALSI personnel are done so in accordance with the procedures set forth in the ALSI Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference



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ANALYTICAL RESULTS

Workorder: 9860022 IP/WMATA Bladensburg Garage

Lab ID: 9860022001

Date Collected: 8/11/2010 09:20

Matrix: Waste Water

Sample ID: 10-WMATA-BG-002

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Oil/Grease Hexane Extractable	1.6J	mg/L		2.2	0.6	EPA 1664A		8/19/10 09:47	ELT	A
Oil/Grease Silica Gel Treated	ND	mg/L		2.2	0.5	EPA 1664A		8/19/10 09:47	ELT	A

Sample Comments:

Anna G Milliken
Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860022 IP/WMATA Bladensburg Garage

Lab ID: 9860022002

Date Collected: 8/11/2010 10:55

Matrix: Waste Water

Sample ID: 10-WMATA-BG-002

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acrolein	ND	ug/L		30.0	2.4	EPA 624		8/19/10 16:19	MES	C
Acrylonitrile	ND	ug/L		5.0	0.89	EPA 624		8/19/10 16:19	MES	C
Benzene	ND	ug/L		1.0	0.16	EPA 624		8/19/10 16:19	MES	C
Bromodichloromethane	1.4	ug/L		1.0	0.13	EPA 624		8/19/10 16:19	MES	C
Bromoform	ND	ug/L		2.0	0.21	EPA 624		8/19/10 16:19	MES	C
Bromomethane	ND	ug/L		2.0	0.27	EPA 624		8/19/10 16:19	MES	C
Carbon Tetrachloride	ND	ug/L		1.0	0.24	EPA 624		8/19/10 16:19	MES	C
Chlorobenzene	ND	ug/L		1.0	0.11	EPA 624		8/19/10 16:19	MES	C
Chlorodibromomethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 16:19	MES	C
Chloroethane	ND	ug/L		1.0	0.24	EPA 624		8/19/10 16:19	MES	C
2-Chloroethylvinyl ether	ND	ug/L		2.0	0.28	EPA 624		8/19/10 16:19	MES	C
Chloroform	3.6	ug/L		1.0	0.15	EPA 624		8/19/10 16:19	MES	C
Chloromethane	ND	ug/L		1.0	0.25	EPA 624		8/19/10 16:19	MES	C
1,2-Dichlorobenzene	ND	ug/L		1.0	0.20	EPA 624		8/19/10 16:19	MES	C
1,3-Dichlorobenzene	ND	ug/L		1.0	0.14	EPA 624		8/19/10 16:19	MES	C
1,4-Dichlorobenzene	ND	ug/L		1.0	0.15	EPA 624		8/19/10 16:19	MES	C
1,1-Dichloroethane	ND	ug/L		1.0	0.19	EPA 624		8/19/10 16:19	MES	C
1,2-Dichloroethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 16:19	MES	C
1,1-Dichloroethene	ND	ug/L		1.0	0.17	EPA 624		8/19/10 16:19	MES	C
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.12	EPA 624		8/19/10 16:19	MES	C
1,2-Dichloropropane	ND	ug/L		1.0	0.24	EPA 624		8/19/10 16:19	MES	C
cis-1,3-Dichloropropene	ND	ug/L		1.0	0.12	EPA 624		8/19/10 16:19	MES	C
trans-1,3-Dichloropropene	ND	ug/L		1.0	0.14	EPA 624		8/19/10 16:19	MES	C
1,3-Dichloropropene, Total	ND	ug/L		1.0	0.19	EPA 624		8/19/10 16:19	MES	C
Ethylbenzene	ND	ug/L		1.0	0.16	EPA 624		8/19/10 16:19	MES	C
Methylene Chloride	ND	ug/L		1.0	0.32	EPA 624		8/19/10 16:19	MES	C
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0	0.22	EPA 624		8/19/10 16:19	MES	C
Tetrachloroethene	ND	ug/L		1.0	0.26	EPA 624		8/19/10 16:19	MES	C
Toluene	ND	ug/L		1.0	0.12	EPA 624		8/19/10 16:19	MES	C
1,1,1-Trichloroethane	ND	ug/L		1.0	0.27	EPA 624		8/19/10 16:19	MES	C
1,1,2-Trichloroethane	ND	ug/L		1.0	0.30	EPA 624		8/19/10 16:19	MES	C
Trichloroethene	ND	ug/L		1.0	0.21	EPA 624		8/19/10 16:19	MES	C
Trichlorofluoromethane	ND	ug/L		1.0	0.21	EPA 624		8/19/10 16:19	MES	C
Vinyl Chloride	ND	ug/L		2.0	0.24	EPA 624		8/19/10 16:19	MES	C
Surrogate Recoveries	Results	Units	Footnotes	Limits		Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	93.2	%		72-142		EPA 624		8/19/10 16:19	MES	C
4-Bromofluorobenzene (S)	94	%		73-119		EPA 624		8/19/10 16:19	MES	C
Dibromofluoromethane (S)	85.1	%		74-132		EPA 624		8/19/10 16:19	MES	C
Toluene-d8 (S)	97.6	%		75-133		EPA 624		8/19/10 16:19	MES	C

WET CHEMISTRY

Cyanide, Total	0.0040J	mg/L		0.0050	0.0010	EPA 335.4	8/13/10 TMG	8/16/10 14:26	KLR	E1
Oil/Grease Hexane Extractable	0.75J	mg/L		2.5	0.6	EPA 1664A		8/19/10 09:47	ELT	B
Oil/Grease Silica Gel Treated	ND	mg/L		2.5	0.6	EPA 1664A		8/19/10 09:47	ELT	B



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ANALYTICAL RESULTS

Workorder: 9860022 IP/WMATA Bladensburg Garage

Lab ID: 9860022002

Date Collected: 8/11/2010 10:55

Matrix: Waste Water

Sample ID: 10-WMATA-BG-002

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
------------	---------	-------	-----------	-----	-----	--------	-------------	----------	----	------

Sample Comments:

Anna G Milliken
Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860022 IP/WMATA Bladensburg Garage

Lab ID: 9860022003

Date Collected: 8/11/2010 12:10

Matrix: Waste Water

Sample ID: 10-WMATA-BG-002

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Oil/Grease Hexane Extractable	4.1	mg/L		2.8	0.7	EPA 1664A		8/19/10 09:47	ELT	B
Oil/Grease Silica Gel Treated	ND	mg/L		2.8	0.6	EPA 1664A		8/19/10 09:47	ELT	B

Sample Comments:

Anna G Milliken
Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860022 IP/WMATA Bladensburg Garage

Lab ID: 9860022004

Date Collected: 8/11/2010 13:50

Matrix: Waste Water

Sample ID: 10-WMATA-BG-002

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY										
Oil/Grease Hexane Extractable	6.0	mg/L		3.0	0.8	EPA 1664A		8/19/10 09:47	ELT	B
Oil/Grease Silica Gel Treated	1.5J	mg/L		3.0	0.7	EPA 1664A		8/19/10 09:47	ELT	B

Sample Comments:

Anna G Milliken
Laboratory Manager



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ANALYTICAL RESULTS

Workorder: 9860022 IP/WMATA Bladensburg Garage

Lab ID: 9860022005

Date Collected: 8/11/2010 13:50

Matrix: Waste Water

Sample ID: 10-WMATA-BG-002

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
SEMIVOLATILES											
Acenaphthene	ND	ug/L		1.6	0.71	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Acenaphthylene	ND	ug/L		1.6	0.72	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Anthracene	ND	ug/L		1.6	0.72	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Benidine	ND	ug/L		21.7	10.2	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Benzo(a)anthracene	ND	ug/L		1.6	0.75	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Benzo(a)pyrene	ND	ug/L		1.6	0.57	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Benzo(b)fluoranthene	ND	ug/L		1.6	0.72	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Benzo(g,h,i)perylene	ND	ug/L		1.6	0.72	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Benzo(k)fluoranthene	ND	ug/L		1.6	0.71	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
4-Bromophenyl-phenylether	ND	ug/L		3.3	0.71	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Butylbenzylphthalate	ND	ug/L		3.3	0.65	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
4-Chloro-3-methylphenol	ND	ug/L		8.7	0.68	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Bis(2-Chloroethoxy)methane	ND	ug/L		3.3	0.85	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Bis(2-Chloroethyl)ether	ND	ug/L		3.3	0.98	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
bis(2-Chloroisopropyl)ether	ND	ug/L		3.3	0.92	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2-Chloronaphthalene	ND	ug/L		3.3	0.77	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2-Chlorophenol	ND	ug/L		8.7	0.84	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
4-Chlorophenyl-phenylether	ND	ug/L		3.3	0.86	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Chrysene	ND	ug/L		1.6	0.77	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Di-n-Butylphthalate	ND	ug/L		3.3	0.78	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Di-n-Octylphthalate	ND	ug/L		8.7	0.53	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Dibenzo(a,h)anthracene	ND	ug/L		1.6	0.71	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
3,3-Dichlorobenzidine	ND	ug/L		17.4	7.3	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2,4-Dichlorophenol	ND	ug/L		8.7	0.70	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Diethylphthalate	6.1J	ug/L		8.7	0.57	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2,4-Dimethylphenol	ND	ug/L		8.7	1.3	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Dimethylphthalate	ND	ug/L		8.7	0.77	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2,4-Dinitrophenol	ND	ug/L		17.4	3.1	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2,4-Dinitrotoluene	ND	ug/L		3.3	0.62	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2,6-Dinitrotoluene	ND	ug/L		3.3	0.67	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
1,2-Diphenylhydrazine	ND	ug/L		3.3	0.65	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
bis(2-Ethylhexyl)phthalate	24.1	ug/L		3.3	0.58	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Fluoranthene	ND	ug/L		1.6	0.62	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Fluorene	ND	ug/L		1.6	0.70	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Hexachlorobenzene	ND	ug/L		3.3	0.75	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Hexachlorobutadiene	ND	ug/L		3.3	0.90	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Hexachlorocyclopentadiene	ND	ug/L		8.7	3.0	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Hexachloroethane	ND	ug/L		3.3	0.70	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Indeno(1,2,3-cd)pyrene	ND	ug/L		1.6	0.72	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Isophorone	ND	ug/L		3.3	0.64	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2-Methyl-4,6-dinitrophenol	ND	ug/L		8.7	3.2	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Naphthalene	ND	ug/L		1.6	0.76	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Nitrobenzene	ND	ug/L		3.3	0.98	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2-Nitrophenol	ND	ug/L		8.7	0.65	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
4-Nitrophenol	ND	ug/L		8.7	1.4	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
N-Nitrosodimethylamine	ND	ug/L		3.3	0.89	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1



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ANALYTICAL RESULTS

Workorder: 9860022 IP/WMATA Bladensburg Garage

Lab ID: 9860022005

Date Collected: 8/11/2010 13:50

Matrix: Waste Water

Sample ID: 10-WMATA-BG-002

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
N-Nitroso-di-n-propylamine	ND	ug/L		3.3	0.91	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
N-Nitrosodiphenylamine	ND	ug/L		3.3	0.66	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Pentachlorophenol	ND	ug/L		17.4	2.7	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Phenanthrene	ND	ug/L		1.6	0.72	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Phenol	ND	ug/L		8.7	1.1	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Pyrene	ND	ug/L		1.6	0.73	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
1,2,4-Trichlorobenzene	ND	ug/L		3.3	0.65	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2,4,6-Trichlorophenol	ND	ug/L		8.7	0.65	EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Surrogate Recoveries	Results	Units	Footnotes	Limits		Method	Prepared	By	Analyzed	By	Cntr
2,4,6-Tribromophenol (S)	106	%		38-134		EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2-Fluorobiphenyl (S)	70.3	%		37-113		EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
2-Fluorophenol (S)	46	%		17-73		EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Terphenyl-d14 (S)	72	%		33-125		EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Phenol-d5 (S)	28.7	%		11-53		EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1
Nitrobenzene-d5 (S)	69.1	%		37-124		EPA 625	8/17/10	CAC	8/18/10 07:28	DRS	E1

Pesticides and PCBs

Aldrin	ND	ug/L		0.026	0.013	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
alpha-BHC	ND	ug/L		0.026	0.0086	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
beta-BHC	ND	ug/L		0.026	0.016	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
delta-BHC	ND	ug/L		0.026	0.0091	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
gamma-BHC	ND	ug/L		0.026	0.0099	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Chlordane	ND	ug/L		0.52	0.082	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
4,4'-DDD	ND	ug/L		0.026	0.0070	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
4,4'-DDE	ND	ug/L		0.026	0.0083	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
4,4'-DDT	ND	ug/L		0.026	0.0065	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Dieldrin	ND	ug/L		0.026	0.0064	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Endosulfan I	0.014J	ug/L		0.026	0.0020	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Endosulfan II	ND	ug/L		0.026	0.0073	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Endosulfan Sulfate	ND	ug/L		0.026	0.0065	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Endrin	ND	ug/L		0.026	0.0071	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Endrin Aldehyde	ND	ug/L		0.026	0.0039	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Heptachlor	ND	ug/L		0.026	0.010	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Heptachlor Epoxide	ND	ug/L		0.026	0.0068	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Mirex	ND	ug/L		0.026	0.015	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Toxaphene	ND	ug/L		1.0	0.092	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Aroclor-1016	ND	ug/L		0.52	0.23	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Aroclor-1221	ND	ug/L		0.52	0.34	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Aroclor-1232	ND	ug/L		0.52	0.43	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Aroclor-1242	ND	ug/L		0.52	0.25	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Aroclor-1248	ND	ug/L		0.52	0.20	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Aroclor-1254	ND	ug/L		0.52	0.32	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Aroclor-1260	ND	ug/L		0.52	0.23	EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Surrogate Recoveries	Results	Units	Footnotes	Limits		Method	Prepared	By	Analyzed	By	Cntr
Decachlorobiphenyl (S)	57.9	%		30-150		EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1
Tetrachloro-m-xylene (S)	106	%		36-112		EPA 608	8/16/10	RSS	8/18/10 10:48	KJH	C1



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ANALYTICAL RESULTS

Workorder: 9860022 IP/WMATA Bladensburg Garage

Lab ID: 9860022005

Date Collected: 8/11/2010 13:50

Matrix: Waste Water

Sample ID: 10-WMATA-BG-002

Date Received: 8/12/2010 19:50

Parameters	Results	Units	Footnotes	RDL	MDL	Method	Prepared	By	Analyzed	By	Cntr
METALS											
Arsenic, Total	0.00063J	mg/L		0.0015	0.00032	EPA 200.8	8/13/10	MNP	8/16/10 23:20	AJB	A1
Cadmium, Total	0.00093	mg/L		0.00050	0.00012	EPA 200.8	8/13/10	MNP	8/16/10 23:20	AJB	A1
Chromium, Total	0.013	mg/L		0.0010	0.00029	EPA 200.8	8/13/10	MNP	8/16/10 23:20	AJB	A1
Copper, Total	0.084	mg/L		0.0025	0.00038	EPA 200.8	8/13/10	MNP	8/17/10 15:37	AJB	A1
Lead, Total	0.025	mg/L		0.0010	0.00011	EPA 200.8	8/13/10	MNP	8/16/10 23:20	AJB	A1
Mercury, Total	ND	mg/L		0.00050	0.000030	EPA 245.1	8/17/10	MNP	8/17/10 12:31	MNP	A2
Molybdenum, Total	0.0048	mg/L		0.0010	0.000040	EPA 200.8	8/13/10	MNP	8/16/10 23:20	AJB	A1
Nickel, Total	0.015	mg/L		0.0025	0.00012	EPA 200.8	8/13/10	MNP	8/17/10 15:37	AJB	A1
Selenium, Total	ND	mg/L		0.0020	0.00015	EPA 200.8	8/13/10	MNP	8/16/10 23:20	AJB	A1
Silver, Total	ND	mg/L		0.0010	0.000030	EPA 200.8	8/13/10	MNP	8/16/10 23:20	AJB	A1
Zinc, Total	0.30	mg/L		0.0025	0.00057	EPA 200.8	8/13/10	MNP	8/17/10 15:37	AJB	A1

Sample Comments:

Anna G Milliken
Laboratory Manager



**Analytical
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Environmental and Industrial Hygiene Field Services

34 Dogwood Lane w Middletown, PA 17057 w 717.944.5541 w Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

Generated by ALSI

COC #:

ALSI Qu



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ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Client Name: DCWASA - Within			Container Type	CG	PL	CG	AG	AG	PL	Receipt Information (completed by Receiving Lab)				
Address: 5000 Overlook Ave, SW Washington, D.C. 20032			Container Size	1L	500 mL	40 mL	1L	1L	500 mL	Cooler Temp: 2 Therm ID: 10133274				
Contact: Elaine Wilson			Preservative	H2SO4	HNO3	HCl	None	None	NaOH	No. of Coolers: Y N Initial				
Phone#: 202-787-4177			ANALYSES/METHOD REQUESTED							Custody Seals Present? <input checked="" type="checkbox"/> KS				
Project Name#: IP/WMATA Bladensburg Garage			Matrix TPH - 1684 HEM-SGT Total Metals: 200.8 (As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn) 245.106 Hg VOC - 824 semi-volatile organics - 825 Pesticides/PCBs - 608 cyanide	Enter Number of Containers Per Sample or Field Results Below.							(if present) Seals Intact? <input checked="" type="checkbox"/>			
Bill To: Accounts Payable Office- 4th Floor											Received on Ice? <input checked="" type="checkbox"/>			
TAT <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days. <input type="checkbox"/> Rush-Subject to ALSI approval and surcharges.											COCLabels Complete/Accurate? <input checked="" type="checkbox"/>			
Date Required: Approved By:											Cont. in Good Cond.? <input checked="" type="checkbox"/>			
Email? <input checked="" type="checkbox"/> -Y Fax? <input type="checkbox"/> -Y No.:											Correct Containers? <input checked="" type="checkbox"/>			
Sample Description/Location (as it will appear on the lab report)			Sample Date	Time	*G or C	*Matrix					Correct Sample Volumes? <input checked="" type="checkbox"/>			
10- WMATA - BG - 002			8/11/10	0920	G	WW	1					Correct Preservation? <input checked="" type="checkbox"/>		
10- WMATA - BG - 002			8/11/10	1055	G	WW	1		2		1	Headspace/Volatiles? <input checked="" type="checkbox"/>		
10- WMATA - BG - 002			8/11/10	1210	G	WW	1					Courier/Tracking #:		
10- WMATA - BG - 002			8/11/10	1350	G	WW	1					Sample/GOC Comments		
10- WMATA - BG - 002			8/11/10	1350	C	WW		1	2	2				
Trip Blank* (also used for CO1 sample)												*Analyze only if VOC present in sample		
Project Comments:			LOGGED BY (signature): Kelli Snow 8/12/10 2311							ALSI Field Services: oPickup oLabor				
			REVIEWED BY (signature):							oComposite Sampling oRental Equipment				
Relinquished By / Company Name			Date	Time	Received By / Company Name			Date	Time	oOther:				
1 Dr. M. T. Smith			8/12/10	245	1 ALSI			8/12/10	1455	Data Deliverables <input type="checkbox"/> Standard <input type="checkbox"/> CLP-like <input type="checkbox"/> USACE				
3 [Signature]			8/12/10	205	4 [Signature]			8/12/10	190	Special Processing USACE <input type="checkbox"/> Navy <input type="checkbox"/> State Samples Collected In NY <input type="checkbox"/> NJ <input type="checkbox"/> PA <input type="checkbox"/> NC <input type="checkbox"/>				
5 [Signature]			8-12-6	1950	6 Kelli Snow			8/12/10	1950	Sample Disposal Lab <input type="checkbox"/> Special <input type="checkbox"/>				
7					8					Reportable to PADEP? Yes <input type="checkbox"/>				
9					10					PWSID # EDDS: Format Type-				

*G=Grab; C=Composite **Matrix: A=Air, DW=Drinking Water, GW=Groundwater, OL=Oil, OL=Other Liquid, SL=Sludge, SO=Soil, WP=Wipe, WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER MAILING PINK - FILE GOLDENROD - CUSTOMER COPY

Rev 8/04

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